

THE AMERICAN School Board Journal

April



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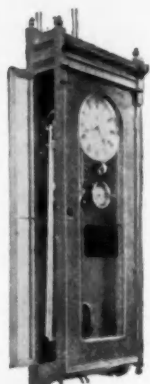
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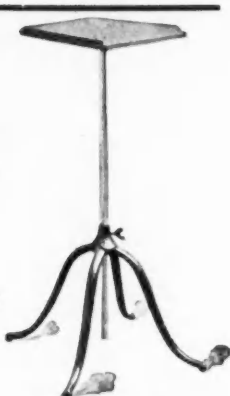


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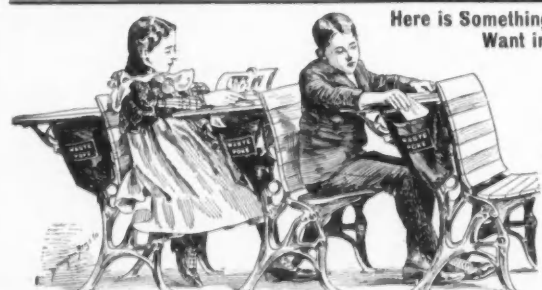
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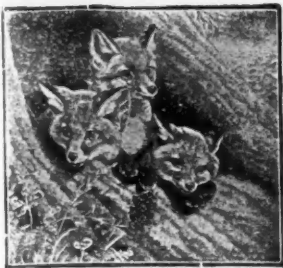
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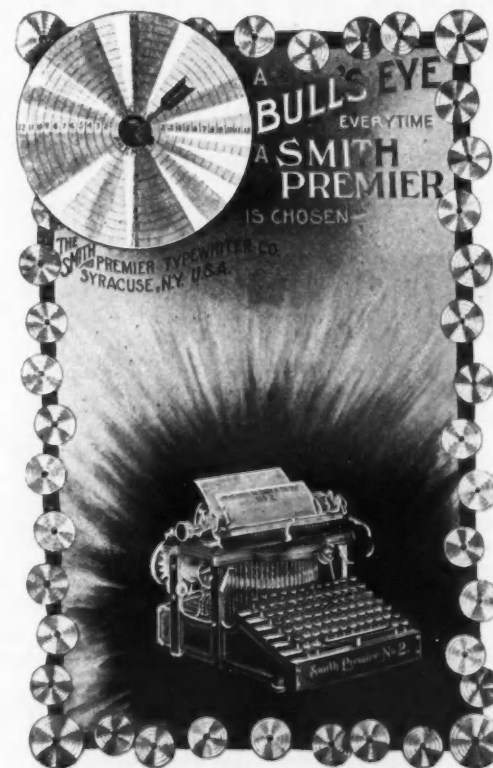
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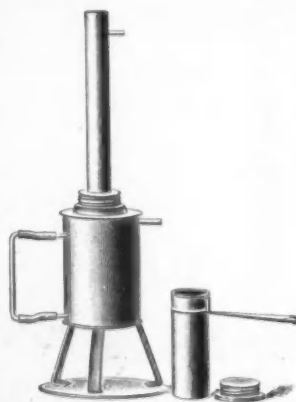
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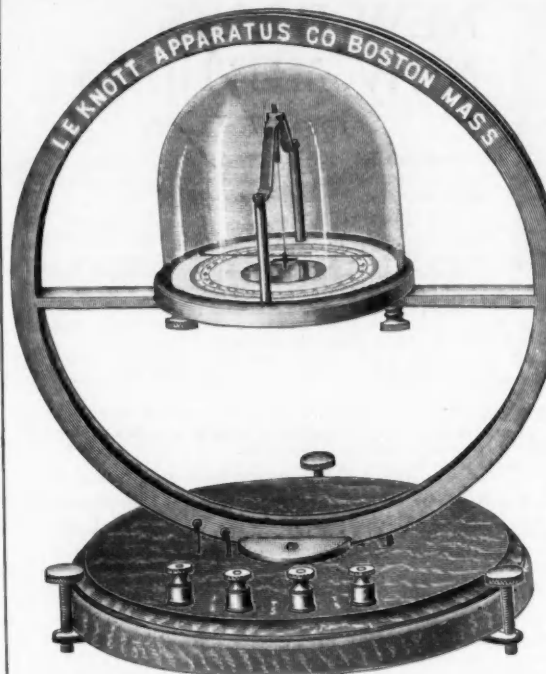


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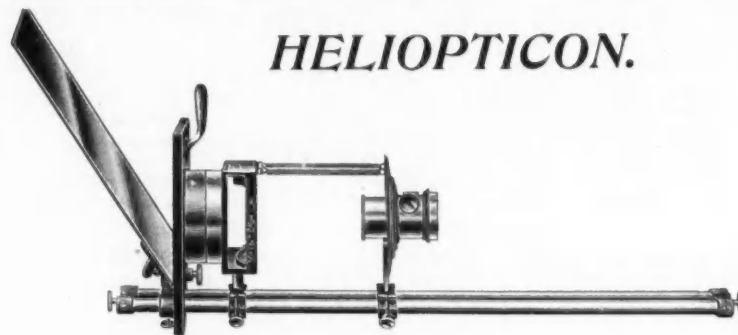
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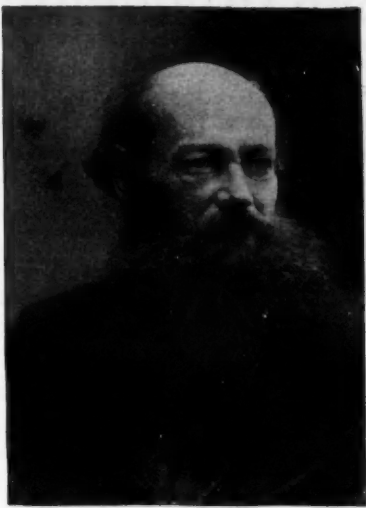
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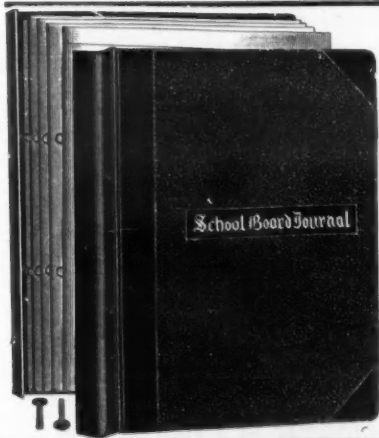
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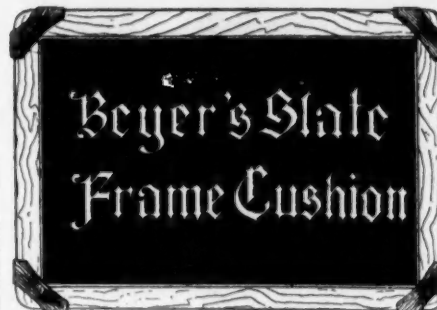
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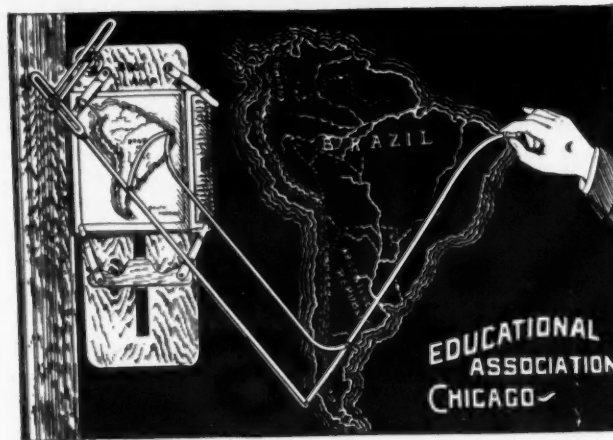
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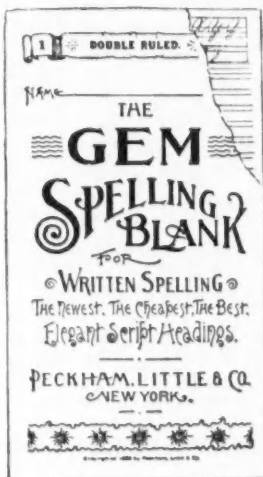
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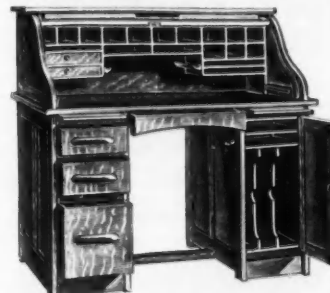
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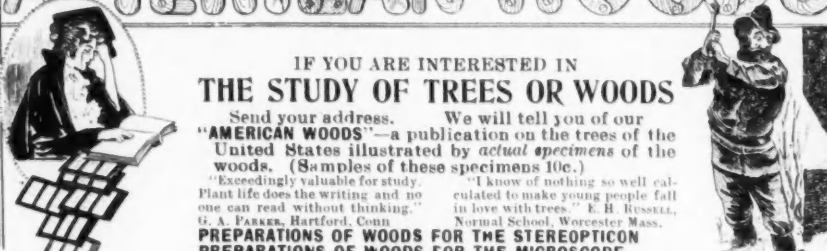
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School Board Journal

VOL. XVIII. No. 4.

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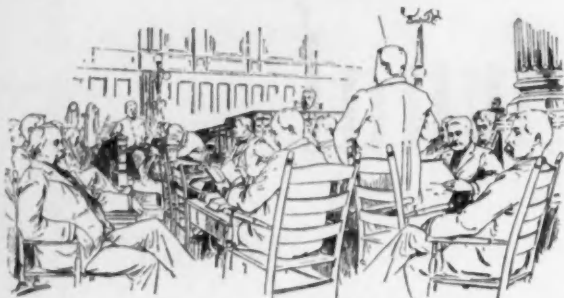
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School Law.



Though the remedy of a teacher, when aggrieved by the action of the board of directors, is by appeal to the county superintendent, the remedy of one wrongfully discharged without such hearing is by action for breach of contract.—*Burkhead vs. Independent School District of Independence, Iowa.*

A discrimination by the board of education between white and colored schools in the same district as to the length of the school year is illegal as against public policy.—*Williams vs. Board of Education of Fairfax District, West Virginia.*

A board of education can exercise no greater power than the legislature can confer upon it.—*Adams vs. Brennan, Ill.*

School directors can act for their district only as a board, and not individually.—*Fine vs. Stuart, Tenn.*

A board of education has no right to stipulate in a contract for improvements that none but union labor shall be employed by the contractor, particularly where it appears that the result thereof is to increase the cost of the work.—*Adams vs. Brennan, Ill.*

One school director purchased, without authority, maps for the district and signed his own and another director's name to warrants therefor. After the maps were delivered to him, he and such other director kept them stored, without using them, while the third refused to have anything to do with them. Notice was given to the seller about eight months afterward by a new school board that the maps were held subject to his order. About the same time a bank which had bought the warrants without the knowledge of the directors demanded their payment, and, in about a month or six weeks thereafter, they notified it, repudiating the obligation. Held insufficient to show acquiescence in the purchase if the directors had power to so impose a liability on the district.—*First National Bank vs. Felknor, Tenn.*

The supreme court of Illinois has decided that neither the school board nor the board of health has power to require compulsory vaccination except in public contingency.

The St. Louis court of appeals has sustained the lower court's decision that school teachers are empowered to preserve discipline among their pupils, not only while the pupils are on the school premises, but while they are on their way going from their home to school and in returning.

The checks drawn by the county school commissioners of the state are not subject to the revenue stamp. This important decision was made by J. B. Scott, commissioner of internal revenue in Washington.

Among Boards of Education.

Cleveland. Director Sargent proposes to introduce the bath tub in the schools.

Sioux City, Ia. Board refused collections in schools for battleship American Boy and Floyd fund.

Memphis. School children living in the annexed territory will not be required to pay tuition fees by recent action of the board.

St. Louis. The school board is the largest land owner in the city.

Worcester, Mass. Board has ordered examination of eyes and ears of pupils.

Pittsfield, Mass. The decision of the school committee to admit the press representatives to their deliberations at the monthly meetings has proved a wise move. The committee will not now be misrepresented and on the other hand the public do not find that there is so much "star chamber" as was thought to prevail formerly.

Kane Township, Pa. The school directors propose to require all feminine applicants for positions in the public schools to sign a contract not to receive the attentions of any man during the school year.

Morristown, N. J. The bachelors are in a state of great excitement because of the determination of the local board of education to compel them to pay a school tax. They claim "no taxation without representation."

Louisville. The American Anti-Vaccination society contemplates bringing suit against the school board to stop vaccination in the schools.

Minneapolis. Board decided to suspend vaccination rule for remainder of year.

Lima, O. The board adopted a rule by which no employe of the public schools shall be permitted to attend dances, public or private, under penalty of dismissal, during the five days of each week there is school.

Newark, N. J. The board of trade voted for an elective instead of appointive school board.

Philadelphia. H. H. Hubbert, the progressive school board reformer, wants a state board of education.

Newark, N. J. The board decided to increase the tuition of non-resident pupils of the Normal school from \$20 to \$50 a year.

Springfield, Mass. Commenting upon the lunch room in the high school, the establishment of which has been severely criticised, Dr. Spratling said: "Of all the good features of Springfield public schools, no item shows such a far-reaching insight as the establishment of the lunch room at the high school building. I do not know who is responsible for it, but whoever it was, he is in my estimation a veritable Abou Ben Adhem—a true lover of mankind."

San Francisco, Cal. The board of education has a deficit estimated to be \$300,000.

Grand Rapids, Mich. The board's rule relative to the superintendent reads as follows: "The superintendent of public schools shall act under the direction of the board, whose executive officer he shall be, as far as pertains to the details of school management and discipline, and the general care of schools, school houses, books and apparatus."

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School Board Conventions.

Media, Pa. The Delaware County School Directors' association held its annual sessions. There were addresses by Dr. George M. Philips, Mrs. John M. Sprigley, Mrs. Sarah Collins and others, and general discussion, participated in by many members. The following officers were



HON. MORGAN C. FITZPATRICK,
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elected for a year: President, James Howarth, Middletown; vice president, M. T. Vandever, Lansdowne; secretary, Mrs. Ellen G. Price, Swarthmore; treasurer, W. S. Ellis, of Radnor.

Millersburg, Pa. Dauphin County association met with Frank B. Wickersham, Esq., in the chair, with C. A. Reehling, secretary. Among those who spoke were Simon S. Bowman, Esq., Millersburg; Wm. A. Feidt, Supt. Foose, Harrisburg; Supt. McGinnes, Steelton; Wm. E. Schoffstall, Wiconisco; Wm. A. Wert, Upper Paston; Jas. A. Bell, Steelton; M. S. Daniel, Berrysburg. The following officers were chosen: President, Simon S. Bowman, of Millersburg; first vice president, J. W. Clemson, of Halifax; second vice president, William E. Schoffstall, of Wiconisco; secretary, James A. Bell, of Steelton; treasurer, County Supt. McNeal; executive committee, Dr. C. E. Pease, William A. Wert, J. H. Worden, H. W. Haverstick, A. M. Stout.

Allentown, Pa. Meeting was called to order by Dr. H. Herbst. E. F. Huntz acted as secretary. The speakers were Rev. J. S. Moyer, Upper Saucon; John A. McCollum, O. D. Knauss, Edgar C. Shimer, E. H. Reninger Esq., David Paff, Prof. G. T. Ettinger, Allentown; W. H. Gruber, West Bethlehem; C. W. Uffer, Lower Milford; S. M. Norgang, Heidelberg; Wm. Welsley, Catasqua.



Young School Director—Yes, I was elected by the votes of eight different nationalities: Irish, Germans, Polish, English, Italian, French and Greek.

Superintendent—That's only seven.

Young School Director—What the deuce was the other now?

Superintendent—(in a suggestive tone) Americans?

Young School Director—That's it. Couldn't think of them to save me.

New School Legislation.

Arkansas. Anti-cigarette bill passed. Penalty \$100.

Arkansas. A county uniformity text book law has been adopted. The minority favored state uniformity.

California. Introduced: Permitting women to vote for and be eligible to school board membership.

California. The bill requiring fire escapes to be placed on all school buildings in the state that are more than two stories in height has become a law.

Colorado. An effort is being made to establish truancy or parental schools.

Connecticut. Passed: Fixing minimum school age at 7 years. Introduced: Testing children's eyes.

Connecticut proposes to test eyesight of pupils.

Idaho. Legislature has been wrestling with free text book bill.

Idaho. Free text book system was adopted.

Illinois. Introduced: To recognize Chicago board of education. Free books for indigent pupils.

Indiana. Introduced: Reorganization Indianapolis school board. Passed: Regulating the transfer of children from one school corporation to another, and fixing the price to be paid for tuition by one corporation to the other at \$1.50 for each school month in the common school and \$3 a school month in the high school.

Kansas. Passed: State uniformity of text books. Larger cities and incorporated districts exempted.

Massachusetts. A bill making study of hygiene, narcotics compulsory will probably be defeated.

Michigan. Introduced: Reorganization Detroit school board. Regulation of adoption and prices of text books in rural districts. Reorganization Grand Rapids school board.

Minnesota. Introduced: State publication of text books.

Nebraska. A bill introduced requires all persons between the ages of 8 and 14 years, and all persons over the age of 14 and under 16 years who cannot read and write the English language to attend some public or private school.

New Jersey. Introduced: School board for Newark of nine members, salary \$750 each.

New York. The legislature, without a dissenting voice, has ordered the national flag to be hoisted over every school house in the state and to be kept floating there forever.

New York. Introduced: Increasing membership Greater New York board of education. Decreasing membership school board of Rochester to be elected.

Oregon. Introduced: State adoption of text books.

Pennsylvania. Killed: Bill for a state commission to publish and supply school books. Introduced: Increasing minimum school year from six to seven months.

Rhode Island. Act introduced to prohibit school trustees or members of school committees from teaching in the public schools.

Tennessee. Introduced: State adoption of text books. State uniformity of text books. Fixing price of school books.

Texas. Introduced: State uniformity of text books.

Utah. Introduced: To elect by popular vote Salt Lake City's school superintendent.

Washington. Introduced: Bill to repeal state uniformity text book law as applied to cities and towns maintaining high schools.

Wisconsin. A bill to pension teachers pending; also one abolishing county superintendents.

Teachers' pension bills are before the legislatures of Massachusetts, Wisconsin and Minnesota.



MISS PERMEAL FRENCH,
State Superintendent Public Instruction for Idaho.

Commercial Education.

By W. A. Waterbury.

To the observant mind, the problem of adding shorthand and typewriting to the curriculum of public school instruction must impress itself as one worthy of deep and serious consideration. There are potent and convincing reasons in favor of it, and, viewed from my standpoint, it seems to me that any argument offered against it is supported either by prejudice, or ignorance of existing conditions governing the future welfare of the individual pursuing development of character.

I know my opinions are opposed by many who are intellectually my superiors, but the deeper I have studied this question the more thoroughly convinced I am of the soundness of my convictions.

Whether the public or the manual training schools should control this branch of education may admit of doubt. It is open to arguments on both sides. My personal opinion is that the time is not yet ripe for the study of this commercial branch to be confined to manual training. That branch is yet experimental. While certain localities of large centers have established and supported a high standard in this popular department, it is still a limited one, while the public school system is as thoroughly established as the universal right of suffrage itself. It seems to me, therefore, that the study of shorthand and typewriting is one properly belonging to the boards of education and the teachers of the public schools.

Shorthand is as essential a convenience as the rules of grammar and the laws of common fractions. As I review my school days and consider the tortuous and ungainly forms I was obliged to use day after day, and year after year, and then think of all the labor that might have been saved by a knowledge of shorthand, I cannot understand why it was not made a subject of compulsory education twenty-five years ago. It seems to me that any branch of study that adds knowledge to the human mind also contributes to self-sustenance, and whatever assists the masses to that end is worth encouraging. Seminaries and colleges exist principally for those who are financially able to enjoy them, but the public school system must always remain the bulwark of the common people.

The same arguments that apply to shorthand apply with equal force to typewriting in the public schools. We live in a rapid age. Whether it be school work, commercial correspondence or social intercourse, our methods of transmission of thought and communication of utterance are still primitive, and we aim to shorten them. We strive constantly for short cuts in travel, why not in writing? Typewriting reduces the labor of transmitting our thoughts, as shorthand reduces that of recording them. The school room, from the primary grade up, is the place to start both.

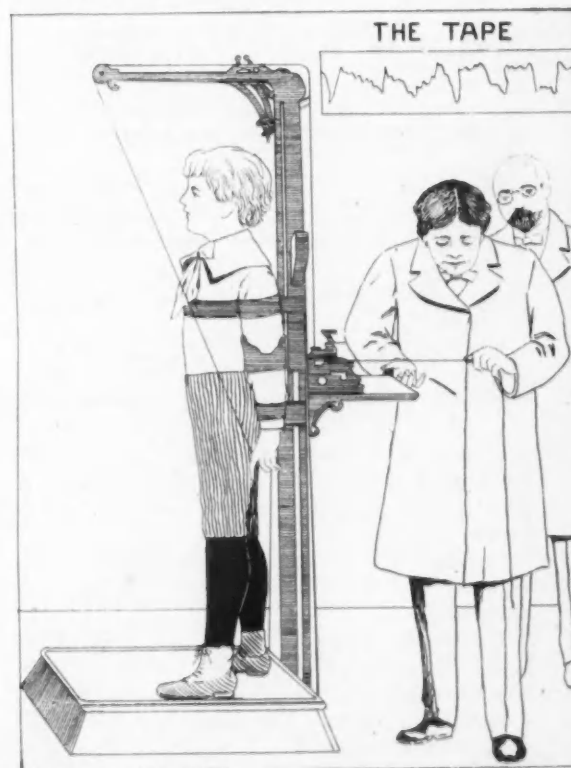
The shorthand and typewriting schools must soon surrender control of this field to public boards of education. They have nothing in common with our school system. Conducted as business enterprises for financial gain and with the sole object of liberal dividends, that sympathy of feeling for the perfect training of the human mind that exists in our public school system is absent in them. Ignoring the elementary rules of English grammar, spelling and punctuation—an indispensable foundation to an intelligent stenographer—the compulsory use of antiquated typewriting machines by incompetent instructors who have never passed an examination to determine their fitness to instruct others, under the domination of an arbitrary typewriter trust that is using them for selfish purposes, their one object seems to be to receive all, perfect none, hurry them out of the way and make room for another unfortunate who has the price of tuition.

Compare one hundred graduates of the ordinary shorthand school with an equal number of those from any of our public schools, of average age, and note the standard of intelligence. No further argument will be necessary to convince even the unthinking mind that the sooner these half-educated beings, who must soon go out into an unsympathetic business community to fight for their existence, are brought into the public schools where they can have the benefit of the best advantages for completing their education, the sooner we will see the standard of manhood and womanhood-raised to its proper level.

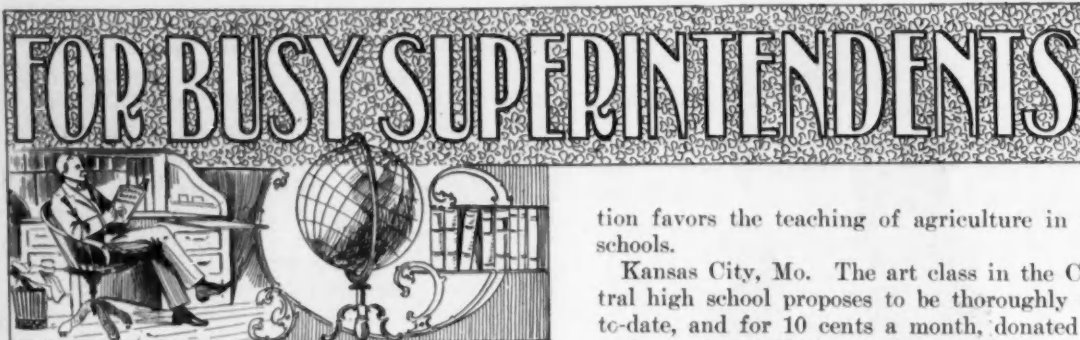
The ergograph is a machine that promises to come as a boon and a blessing to backward pupils, inasmuch as it has a tendency to prove, with the cold precision of a cash register, that they are not really stupid or stubborn, but overworked, or improperly cared for, or in need of exercise.

The boy to be examined is pinioned as shown in the illustration. The only part left free is the middle finger of the right hand, and on the first joint of this is placed a ring, to which is attached a cord running over a pulley and holding a weight at its other extremity. A loaded fountain pen is fastened to the weight in an ingenious fashion, which causes it to make marks when the string is pulled on a strip of paper rolled around a brass cylinder.

These marks, their character and length, tell the secrets for the extraction.



THE ERGGRAPH.



Special Studies.

Sault Ste. Marie, Mich. Supt. Ferguson has put life into the study of German by inaugurating international correspondence.

Fitchburg, Mass. The school savings bank system has been adopted.

Chicago. Latin has been dropped from upper grades.

Winona, Minn. Supt. Tormey recommends the penny savings bank system in the schools.

Milwaukee. The principals voted against manual training.

Dayton, O. The National Cash Register Co. recognizes the value of a kindergarten education, and started two kindergarten schools near its plant. It has had bulletins posted in the factory, stating that after the year 1915 no one can obtain employment in its factory who has not had a kindergarten education during his childhood.

Washington. The government is giving attention to cooking classes in the public schools of cities and towns throughout the country, and recommendations in favor of the adoption of such a system will be made in a forthcoming bulletin of the Department of Agriculture.

New Bedford, Mass. The Preece system of physical culture has been in use three months and is giving satisfaction.

Altoona, Pa. A business course will be established in the high school.

Springfield, Mass. Military training is being discussed by the committee.

New York City. Miles M. O'Brien offered the following important resolution: "Resolved, That the committee on high schools be and it is hereby requested to form plans for the establishment of a commercial high school and report as soon as possible." The motion prevailed without any discussion whatever.

Baltimore, Md. The children in the second grade are not to be given sewing lessons.

Chicago, Ill. President Harris of the board of education has sent a letter to 100 representative business men, asking whether, in their opinion, a commercial training school is desirable.

Cleveland, O. Captain Kendall of the board says: "Reading Greek is like swimming. If you once learn it, you never forget it."

Boston, Mass. Mayor Quincy has come to the conclusion that no trade school shall be established.

Chicago, Ill. Joseph H. Schwab, chairman of the committee on penmanship, is not favorably impressed with vertical writing. He considers it a fad.

Cambridge, Mass. Saturday sessions for teaching Sloyd system of manual training abolished. The teaching of the study proved a failure.

Chicago, Ill. Commercial training schools, as a part of the educational system, are contemplated.

Waterbury, Conn. The Grand Army Post here is earnestly advocating the making of military instruction in the schools compulsory.

Springfield, Mass. The public cooking school has proven a success.

Indianapolis, Ind. The state board of educa-

tion favors the teaching of agriculture in the schools.

Kansas City, Mo. The art class in the Central high school proposes to be thoroughly up-to-date, and for 10 cents a month, donated by each member, will hire models.

Cleveland, O. The commercial course is a growing and important feature in the high schools.

Cleveland, O. An organization has been formed to advance the work of physical culture in the schools.

Atlanta, Ga. A majority of the board has voted not to abolish the business department of the girls' high school.

Danville, Ill. It is contemplated to introduce into the schools calisthenics and regular drills for physical development of scholars.

Chicago, Ill. A rule adopted reduces the age at which cadeting in the schools may begin from 19 to 18 years.

School Sessions.

The following school boards have, since the first of the year, inaugurated the single session plan for their high schools: Springfield, O., Holden, Mass., Cleveland, O.

West Bay City, Mich. It has been voted not to adopt the one session plan for the high school.

Hartford, Conn. The opening of the afternoon session has been changed from 2 to 1:30, and the closing from 4 to 3:30 o'clock.

Dayton, O. The afternoon recess has been abolished. The session will be continuous from 1 to 3:15 o'clock.

New Castle, Pa. The hours of school for primary rooms are from 9 to 11:30 A. M., and 1:30 to 3:30 P. M.; the higher grades have fifteen minutes longer sessions.

Baltimore, Md. The school board is unable to satisfactorily settle the one and two session controversy now being waged throughout the city. Prominent physicians disagree as to the desirability of one or two sessions from a standpoint of health. They give good reasons why one or two sessions is dangerous to health according as they advocate a single or a double session.

Text-Book Adoptions.

Winsted, Conn. Milne's Mental Arithmetic, Model speller, Baldwin's readers, Williams readers.

La Crosse, Wis. Atkinson's Botany.

Saginaw, Mich. Plant Analysis for high school.

Marion, Ind., county board. The John Church Co.'s music readers.

Canton, O. Halleck's Psychology and Psychic Culture.

Newburyport, Mass. Duntonian vertical writing books.

Tacoma, Wash. Quincy course of study in music.

Holyoke, Mass. Montgomery's Leading Facts in English History on authorized list.

Findlay, O. Davis Physical Geography.

Waltham, Mass. Recommended purchase of Fiske's United States History, Hiawatha Primer, and Songs of the Nation. Adopted.

Racine, Wis. Lafayette, The Friend of American Liberty.

Iowa. For reading circle, State Teachers' association: Uncle Sam's Secret, The Study of the Child, Teaching the Language Arts, published by D. Appleton, & Co.

Lebanon, Tenn. County Superintendent Bowling is agitating uniformity of text books.

Albany, N. Y. A bill has been introduced which provides for the burning of free text books used in the schools at the end of each year.

Memphis. Board is opposed to a uniformity text-book law.

Iowa. The free text book question is agitated in a number of towns in this state. The proposition was carried in West Des Moines.

Irish's "American and British Authors" has been adopted for use in the state normal school of Cedar Falls, Ia., and in the high schools of Cedar Rapids, Ia.; Talmadge, O., and Lee's Creek, O.

Irish's "Orthography and Orthepy" has recently been adopted for use in the Stuttgart College, Stuttgart, Ark., and in the high schools of Council Bluffs, Ia., and Hayesville, O.

Troy, N. Y. Davis' Physical Geography.

The state board of education convened at Indianapolis last month and opened bids for furnishing the state with elementary and complete geographies, arithmetics and copy books.

Ginn & Co.—Frye's introductory, advanced; Wentworth's, Elementary, Practical; Prince's by grades, elementary, practical, copy books.

D. C. Heath & Co.—Arithmetics, elementary, complete, copy books.

Rand, McNally & Co.—Geographies: Introductory, grammar; Hewitt's primary, cloth; Practical, cloth, copy books.

Indiana School Book Co.—Geographies: Elementary, complete; arithmetics, elementary, complete, copy books.

Silver, Burdett & Co.—Arithmetics: Elementary, complete, copy books.

Beckhold Printing and Book Manufacturing Company—Arithmetics: Elementary, complete.

The Macmillan Co.—Arithmetics: Elementary, complete.

Scott, Foresman & Co.—Arithmetics: Revised model, rational, new model, copy books.

Woodward & Tiernan Printing Co.—Arithmetics: Elementary, complete.

The Ellsworth Co.—Copy books.

Thomas R. Shewell.—Arithmetics: Complete, elementary, copy books.

H. P. Smith Publishing Co.—Copy books.

Eaton & Co.—Copy books.

Election of Superintendents.

Somerville, Mass. Geo. A. Southworth, re-elected; Binghampton, N. J., Darwin L. Bardwell; Richmond, Va., Dr. Thomas B. Lane; Geneva, O. J. B. Treat, \$1350.

Wheeling, W. Va. W. H. Anderson.

New Bedford, Conn. William E. Hatch.

Fremont, Neb. J. L. Laird.

Glens Falls, N. Y. E. W. Griffith, of Norwich, N. Y.

Rumford Falls, Me. G. Willard Johnson.

Rockland, Me. Fremont Beverage.

Vergennes, Vt. F. L. Fish.

Dover, N. H. Frank H. Pease.

Cleveland, O. Supt. Jones, in speaking of the desirability of employing more male principals, said: "There is no doubt whatever about the desirability of having the influence of men in public education in schools of every grade. Its influence, however, increases as the pupils pass up the grades. Women are the natural teachers of the young. It would be desirable that all pupils in the upper grammar grades should come into contact with a strong, capable man."

"To secure men fit to influence for the best the pupils in a large grammar school would require a much greater salary than is now paid to principals in this city. I should be glad to see these positions dignified with the salary of \$2,000 or \$2,500. Men worthy of the places could be had for the latter figure. Women capable of competing with such men for these places should be paid equal salaries. This would be a benefit to such women as are capable of competing with men, but whose salaries are now figured solely by competition with other

Prof. E. W. Griffith, superintendent of schools at Glens Falls, N. Y., who succeeded Sherman Williams, was formerly superintendent at Norwich, N. Y. Mr. Griffith enjoys a fine record as schoolmaster. The schools of Glens Falls will have a worthy successor to Prof. Sherman Williams, who has accepted a position as institute instructor for the state.



PROF. E. W. GRIFFITH,
Superintendent of Schools,
Glens Falls, N. Y.

School Board Organization.

By Gen. J. K. Hamilton, Pres. Toledo Board of Education.
Read before the Ohio Convention of School Boards.

The method of electing boards of education—should the board be large or small—and the best way to fulfill the grave responsibilities and duties incumbent on board members—are among the most interesting questions which arise in considering educational questions in America. These questions are of supreme importance in school districts comprising large cities. School boards in relation in cities forces upon the consideration of the educator and the law-townships may be governed by the same laws as formerly, but the ever increasing concentration of population makes many new problems and many complicated conditions.



GEN. J. K. HAMILTON,
Pres. School Board,
Toledo, O.

It is said that in 1840 only 8.5 per cent. of the total population of the United States lived in cities. In 1890 29.4 per cent. of the population dwelt in cities of over 8,000 in size; and the centralizing tendency is now so rapidly increasing that by the next census the ratio of urban to country population will undoubtedly be larger.

While in country districts the people know all the directors and teachers, and the details of school work are easily ascertainable by every citizen, where there are not so many to teach, with no requirement, and perhaps no financial resources adequate for such school systems as are required in large cities, they can get along fairly well in the old way with their trustees for each sub-district and a township board of education made up from the sub-district boards.

With the growth of cities, naturally the boards of education have been, as they are now in a majority of the cities of Ohio, made up of members elected from the different wards. The increase in population and size brings with it an increase in the number of wards. A feeling has been growing throughout the country that the large memberships of boards of education impaired their usefulness. However it may be in other cities, in Toledo the conclusion has been arrived at that many of the troubles which beset the old board of education were owing to its size.

Where a member is elected from a ward, he is naturally more interested in the affairs of his own ward and his own immediate constituents than in those of the people at large. While good schools, good teachers, and the promotion of the cause of education for the whole city merit and perhaps do receive his support, human nature leads him to subordinate other things to the special benefit of the section and the people he immediately represents.

Again, in a large board necessarily matters have to be referred to and practically decided by committees. For the committee which has investigated a matter naturally expects its report to be ratified.

Then, a body composed of many members is apt to be turned into a debating society. Discussions arise, sides are taken, and questions often determined in the heat of debate; and too often personal controversies arise calculated to prejudice the board in the eyes of the public.

In school matters everybody concedes that partisan politics should be eliminated; for in appointing school teachers, determining courses of study, erecting school houses, selecting text books, providing rules for school government,

in fact, pretty much all matters which come before a board of education, party politics should have no influence; nor, as a rule, so far as my observation goes, have board members been affected in their decisions by political considerations. But we all have observed that when members of a school board are elected on party tickets, by wards, at the regular spring election, nominated as they are at caucuses or primary elections, the importance of the place is apt to be overlooked, and often in making up a ward ticket the nominee for the school board is not regarded as of as much importance as the councilman from the ward, and far behind the delegates to the city convention. I will not say that inferior men are placed in nomination thereby, but it goes without saying that great care and caution under those circumstances should be exercised to see that prudent, thoughtful, intelligent, patriotic men become candidates, whose aim will be to subserve and promote the best interests of the public and the children in the field of public service, than which none is more important and none entitled to receive more earnest devotion to duty. That such is not always the case, however, in the law which determines the method of selection, we may, perhaps, find the real reason.

Shall boards of education in the cities attend to all the executive as well as legislative functions? Should they levy taxes, determine expenditure, build and equip school houses, fix salaries, and attend to the general management and policies by what may properly be regarded as exercise of legislative functions, and at the same time appoint all the teachers for all the grades, up to the superintendent, and also appoint all the clerks, janitors and other employees other than teachers? In trying to do all these things conscientiously and properly in a large city, the office of school trustee is a continual burden. It is bad enough to have the appointment of a very few, but when it comes to appointing four or five hundred teachers, listening to the applications for appointment and the recommendations of friends (and, perhaps, opposition of enemies), determining claims for promotion, settling all questions of priority, in addition to appointing janitors, building superintendents, architects, clerks, etc., to say nothing of selecting school books, school apparatus, school furniture—if such are the comforts, honors and privileges of a member of the board of education, verily, his life is not a happy one.

In some Ohio cities it has been attempted to escape some of these evils or infirmities.

The Toledo school law was passed March 23, 1898, and practically went into effect, by the organization of the new board provided for thereby, on the third Monday in April, 1898.

The main provisions of the law are:

1st. The board to consist of five members, chosen at large for five years, except at the first election, when the terms respectively were for one, two, three, four and five years, one member to be elected each year, and the member having the shortest term to serve to be president of the board.

2d. Generally the board is clothed with the powers and duties which by existing laws are vested in boards of education in cities of the third grade of the first class.

3d. The important and quite radical changes in the administration of school matters provided for by the law are that the board shall employ a superintendent of instruction and a business manager, each for a term not to exceed two years. The superintendent of instruction has the power to appoint and discharge, subject to the approval and confirmation of the board, all teachers and assistants authorized by the board to be employed. He is required to report in writing to the board monthly, and oftener if desired, all matters under his supervision.

He may be required by the board to attend any or all meetings.

The business manager provided for by the act, who is also clerk of the board, is, by the terms of the law, the principal executive officer of the board, and, except as to teachers and assistants, has the appointment and discharge of all employees of the board, subject to its approval. He is required to make monthly reports as to all matters under his supervision; to submit monthly, and oftener if required, a report of the accounts of the board, exhibiting the revenues, receipts, disbursements, assets and liabilities of the board and the sources from which the revenues and funds are derived. He is to keep an accurate account of all taxes levied for school purposes and all moneys due to, received and disbursed by the board; also of all assets and liabilities of, and all appropriations made by the board. In short, the business manager is what the title indicates—the manager of the business department of the school system.

The treasurer of the board, instead of being elected, is determined by law, to-wit, the city treasurer of the city of Toledo, in the county in which Toledo is located, the county treasurer is the city treasurer.

The method of electing the members of the school board by this law is perhaps unusual. The provision is that not less than ten days before any school election, legal voters of either sex may present names of candidates for election on such school board to the board of elections, and if such candidates have been endorsed in writing by 200 of the legal voters, and their names presented to the board of elections within the required time, then the election board is required to publish the names of all candidates in the daily papers of the city and prepare ballots which shall contain all the names of such candidates. The ballots are to be voted at the election and deposited in a separate ballot box, provided by the board of election for that purpose; upon this list each elector may mark and vote for as many of such candidates as there are members to be elected.

At the first election in Toledo, when the entire new board of five members was to be elected, forty-two candidates were presented under the provisions of the law, and naturally the election excited great interest.

The new school law has now been in operation nearly a year, and its operation has given general satisfaction and good results have been obtained.

By the law the superintendent of instruction is held responsible for educational results. He has the appointment of, and may by law, remove, all teachers; and similar powers are vested in the business manager as to everybody else connected with the business department, including truant officers, inspectors of buildings (when needed), janitors and office assistants.

The question whether a small board chosen by the electors at large, or a large board chosen by the electors from the various wards, and which was, therefore, representative of the different wards, is better, seems to be quite satisfactorily determined by the school law in Toledo.

The five members of the board meet every two weeks, or oftener if required, and dispose, with a reasonable degree of rapidity, of all business coming before them. They discuss and determine matters sitting around a table. No long orations, no extensive debates nor discussions prevail, except so far as five gentlemen in deciding business matters find it necessary to discuss in a friendly way questions coming before them.

The board has never had any standing committees. When it seems desirable to appoint a

(Continued on subsequent pages.)

A Plea for State Normal Schools.

Address By Mrs. B. F. TAYLOR of the Cleveland School Council, read before the Ohio Convention of School Boards, at Columbus.

When Sir Walter Scott desired to excuse an error of judgment in one of his characters, he said, "For the man was mortal and had been a schoolmaster," meaning, it seems to me, that, added to the frailty common to humanity, he had been so long running in a groove, he was unable to look over the rut into which he had fallen.

The average teacher appears to have a fatal facility for running in grooves, and the most useless of stupidities is the teacher who is a groove-runner.



Mrs. BENJ. F. TAYLOR,
Member School Council,
Cleveland, O.

Early in the present century there began some agitation regarding special preparation for teaching, and a suggestion was made that a "seminary for school masters" was needed, where young gentlemen who were preparing to keep school might be trained to teach with "ease and propriety" the branches in which they were supposed to be proficient. From this small beginning, through regular stages of evolution, came the normal school of today.

The origin of seminaries for training teachers was European, and Prussia furnished the model upon which we build. The superiority of the schools in the German Empire is convincing proof of the wisdom of providing teachers made skillful in the art of imparting knowledge.

It is not much more than fifty years since a few men in New England made an organized effort in the direction of pedagogical training. They persistently kept the subject before the people until public and legislative sentiment developed the normal school, since which time Froebel's triangular alliteration, head, heart, hand, gradually usurped the place of the three R's, and a distinct advance was made toward a higher education.

Massachusetts was the pioneer in this work, and in 1837 a bill was introduced in the legislature of that state providing for the professional education of teachers, and two years later the first school was opened at Lexington, quickly followed by a second. At the time Horace Mann was president of the state senate, and was largely instrumental in the passage and development of this law. New York followed the example of Massachusetts in 1844, and now nearly all of the states provide these institutions. In many cities are normal schools under control of the school boards, and from their training classes the city schools are largely supplied with teachers.

In proof of the demand for scientific instruction in pedagogy, many colleges and universities have pedagogical departments, where students who wish to become teachers in high schools or colleges receive special instruction. These students do not, as a rule, intend teaching in the common schools. There are also many schools for training teachers supported by private enterprise, yet the total number from all sources falls far short of the need. Not one-tenth of the schools of our own state are under the care of trained teachers. Taking the country through, it is safe to conclude that no profession is so overcrowded with inexperienced and incompetent members as that most important of all professions—the art of teaching.

The interests of our children are being jeopardized. No careless hand should be allowed to work where human character and national character are involved. It is both the right and the duty of the state to provide specially trained teachers for all public schools within her borders. Common justice demands this. The law compels us to send our children to school a certain number of years, and it is sound economy to provide for them the very best condition for developing a high order of citizenship, and in no way can this be so effectually done as by placing every school in the land under the charge of teachers trained to give more attention to the boy than to the book; teachers who can inspire the child with the spirit of investigation and conquest. Such teachers will awaken, energize and vitalize a student's faculties. Mere knowledge will not make a good teacher. Horace Mann says, "Few intellectual operations are more dissimilar than acquiring and imparting." The art of imparting is largely the purpose of the normal school training. It does not follow that every man or woman who may have been graduated from college, university or normal school, is fit to teach. If the would-be instructor cannot discern in every child a potential God, if he fails to see under the torn frock or ragged jacket a spirit to be trained for a higher life, a citizen to be taught integrity, loyalty and patriotism, he has mistaken his vocation, and should seek other employment where he cannot endanger or mar the future of one of the least of these little ones. Garfield once said, "I never meet a ragged boy on the street without feeling that I owe him a salute, for I do not know what possibilities are buttoned up under the shabby coat." The future citizen comes from every class of society, and among the boys of our public schools are the heroes, the philosophers, the philanthropists of the next generation. The man or woman who can engage in teaching without so regarding them has no conscientious conception of the importance or the dignity of the profession. We cannot serve the future of this world better than by carefully training the children of today in true ideas of duty to their neighbor and to their country, to act justly and generously, and to strive toward a high ideal of manhood or womanhood. The normal school is based on the idea of the full discussion of the philosophy of child life, and methods for developing harmoniously the mental, moral and physical nature.

All normal schools have not justified the hopes of the founders of these institutions. For a quarter of a century after they were established, Massachusetts led the world, at least one part of it, in educational matters. Her state normal school flourished, holding honorable and prominent place in the ranks of educational institutions. They were well equipped with apparatus, grounds ample, and buildings commodious. They were not "seminaries for schoolmasters" alone; their doors were open to the young women of the state, who gladly availed themselves of the opportunity for proving their ability to stand beside their brothers in this profession. Gradually these institutions lost their prestige. Various reasons have been given for this decline in popularity, all doubtless more or less true. Is it not possible that the fatal groove has had a part in the weakened influence of what should be the very bulwark of our public schools? Grooves are subtle things, and a man or an institution may be a groove-runner without suspecting the fact. At a meeting of school superintendents, held in Boston last May, Supt. Dutton of Brookline, said: "Gentlemen, do let us try to get out of this fearful rut. Many of our schools are where our fathers left them; our practice is far behind our theory."

Since teaching has risen to the dignity of a profession, it follows that every state should provide these professional training schools. This seems to be the universal opinion of leading educators.

Of the half dozen states destitute of a state normal school, Ohio is one, and the only northern state to be so distinguished. The majority of the states have several; even Arkansas—benighted Arkansas—has one, and North Carolina supports four. Pennsylvania leads in numbers, having eleven; New York has nine; Massachusetts eight; Wisconsin five. Surely the great state of Ohio can ill afford to be classed among the least enterprising and patriotic states in the Union. That this state should provide abundant means for fitting men and women for doing the best work in our schools, the aim of which should be the building of character, goes without saying. Knowledge of facts alone can never make a strong character. It is the knowing how to know, and the ability to make the child think it out for itself. There is a great difference between feeding a bird in the nest and teaching it to fly abroad and seek for itself food and a home. The ability to teach the child to think, the untrained teacher does not succeed in doing. It needs special study of psychology and work in the exact sciences, the study of child nature and development, as taught in our best normal schools, to ensure this ability. Our city elementary schools owe their improved condition to the public normal school supported by the state or municipality. Many of our teachers in Ohio have been graduated from such institutions established in other states. Forty-three thousand students were enrolled last year in public normal schools, and 24,000 in schools supported by private enterprise, while more than 100,000 teachers are annually needed to fill the increasing demand. True, Ohio has three normal schools under city control, and three private schools for training teachers, yet all these do not furnish educators for one-tenth of our schools.

It required nearly a half-century of discussion, and the public and personal influence of leading men, before the first normal school was established in Massachusetts. Ohio early considered this question, and in 1836 the legislature sent Prof. Calvin E. Stowe abroad for the purpose of investigating the teachers' seminaries of Europe, and especially of Prussia. Prof. Stowe, in his report, urged their establishment in Ohio, since which time various bills have been introduced for this purpose only to be defeated. Dr. Channing said he believed it required more wisdom to educate a child than to govern a state, yet the large majority of our children are being left in the hands, and under the influence, of unqualified teachers. This is a fearful risk and one which should give our law makers pause. There is no justice in failing to provide as competent teachers for the children in the country schools as for the graded schools of the city.

Since the value and necessity of providing professional training schools has been conceded, the question remaining is, how best to secure the legislative action which shall result in giving us institutions from which the honor of having been graduated will be fully equal to holding a diploma bestowed by any of our colleges. This alone will induce the best men and women to enter the ranks of this honored calling.

Our two largest cities are located, one in the southern and the other in the northern part of the state, and from these railroads diverge like the sticks of a fan, until every county and school district is accessible, while electric lines are being pushed out into all suburban towns

(Continued on subsequent pages.)

A Model City School Board.

Address delivered By WM. G. FRIZELL, member Board of Education of Dayton, at the Ohio Convention of School Boards, Columbus.

Purpose precedes progress. Model governments are not the product of chance. They are the outcome only of thought and effort. "The American Constitution," which Gladstone said



WM. G. FRIZELL.
Mem. Board of Education,
Dayton, O.

Montesquica's theories of a model government, who had studied so thoroughly the principles of the British and Greek governments, and who had experimented so extensively "is the most wonderful work ever struck off at a given time by the brain and purpose of man," was the work of men who had so saturated their brains with

in the building of their own state governments, that they were the best trained body of government builders that the world has ever known. The American Constitution then was not the product of chance. So chance cannot give us model municipal governments, nor model city school boards. They can result only from an intelligent application to local conditions of the best general principles of government. In accordance with these principles, then, must be constructed the form of a model city school board.

The old form of a city school board, constructed on no scientific principles, composed of two members from a ward, clothed with both executive and legislative powers, stands a confessed failure. It has outlived its usefulness. It is a legacy of our town period. Its form was adopted shortly after the framing of our present state constitution when Ohio had but one city with more than 20,000 inhabitants, when the combined population of Cleveland, Columbus, Toledo and Dayton hardly exceeded that of Youngstown today, and when so little thought was given to cities that but four of the 165 sections of our state constitution refer to them. With the growth of the cities, the executive duties, especially of the boards, have become so onerous that very few members can afford to give the time properly to perform them, and there is necessarily such a large division of duties among committees that waste and extravagance are almost inevitable, while dishonesty is easily possible.

For our cities, theory and experience recommend the federal plan of government, a plan resembling, as far as is possible, that of our national government. For our school government I believe that the federal plan is also the best. As the duties of school government are both executive and legislative, the school board should be divided into two distinct branches, as is the new Cleveland board, one the executive, called the "School Director," and the other the legislative, called the "School Council."

The school director, as in Cleveland, should consist of one person, elected by the citizens at large for a term of two or three years, who shall devote his entire time to the duties of his office, and be paid therefor a fair salary. He should be given large executive powers. He should have charge of the making and executing of contracts, the purchase of supplies, the construction and repairing of buildings, and the general care and preservation of all school property. He should also nominate to the school council, who shall have the right to con-

firm or reject his nomination, the superintendent of instruction, superintendent of buildings, janitors, and all other employes, except teachers. He should, furthermore, have the right to veto any resolution of the school council, but the school council, by a vote of two-thirds of all its members, should have the privilege of passing any resolution over his veto.

The advantages of a school director elected by the people would be that he would represent the wishes of the entire people; that he would give the business department of the board a responsible head; that he could, by his oversight of all departments, equalize expenditures, and by his constant attention save many small sums that now make a large aggregate of loss.

In any city of more than 25,000 inhabitants, a competent school director, by his attention to details, should save to the city every year several times his salary.

The school council should have general legislative powers. It should provide for the raising and distribution of the revenues, make appropriations for the expenditure of the school director, and fix the compensation of teachers and other employes of the board. The nominations of all teachers and employes should be confirmed by it, and, for cause, it should have the power to remove the school director, any employe, or teacher.

The school council should be composed of from fifteen to thirty members, elected from wards for a term of three years, the terms of one-third only to expire every year. The members should be elected from wards. That practically insures both minority and local representation. The members of Cleveland's school council and Toledo's new mongrel board are elected from the city at large. If in Cleveland the Republicans carry the school elections two years in succession, there will be no Democrats on the school council. If, as sometimes happens, there comes a political landslide, and the Democrats carry the election for the two following years, there will be an entire change of the membership, and there will be no Republicans in the school council. In either case, the school council will be so entirely partisan that its acts will be viewed with suspicion by a large minority of the people. That confidence of the entire people in the government, which is essential for any successful government, will be lacking.

Ward representation also guarantees local representation. While in certain sections of a city often are congregated the men seemingly best equipped for a school council, yet these men will lack a large, diversified local knowledge, which is exceedingly valuable in legislation.

The school council should be a large rather than a small body. Cleveland's school council has seven members, and Toledo's new board five. Thirty members would be far better. A large body can with difficulty be controlled except by the best motives. A large membership, furthermore, has large local knowledge, and arouses large local interests in the schools. It serves to bring closer the homes and the schools. If every citizen, however humble, has some neighbor whom he personally knows, who is a member of the board, and with whom he can easily consult, he feels in closer touch with the schools.

A large membership is approved not only by theory, but also by experience. I have served for seven years, either in the city council or in the school board in Dayton, in bodies that have had from fourteen to thirty members, and my belief is that the legislative judgment of a large body is much safer than that of a small body. Dr. Albert Shaw, in his learned works on Municipal Government in Europe, wherein he

examines the governments of all the leading cities in Europe, states that the cities that have the best governments have large legislative bodies, and one of his recommendations for the improvement of the governments of our cities is by increasing the numbers of our legislative bodies. The city charter drawn for the Indianapolis conference for good city government recommends a city council of from nine to fifty members.

The terms of but one-third the members should expire every year. A large majority of the members should always be experienced members. Fresh blood is good, but too much is dangerous. New members are usually eager for reform, but without the knowledge to reform. They have good intentions, but are practically ignorant of school matters. They remind one of the philosophical statement of Buckle, the historian, "There is no instance on record of an ignorant man who, having good intentions, and supreme power to enforce them, has not done far more evil than good."

One of the most perplexing problems to all governments is that of the distribution of patronage. It is especially so to a school board. Under the new form it should be given entirely to the executive branch, with only confirmation by the legislative. The school director should appoint the janitors and other employes, who should serve during good behavior, and be removable only for cause. That will take the school almost entirely out of practical politics.

The superintendent of instruction and superintendent of buildings, however, should be appointed for limited terms, for they give a policy to a department, which it is sometimes wise to change, when there is no definite cause that would justify a removal. In Cleveland the superintendent of instruction is appointed during good behavior. That, I suspect, will result in an appeal to the legislature to repeal the law, whenever there is a considerable faction that desire a change of superintendents. In school matters there should be the utmost home rule, and no laws that will invite an appeal through lobbyists to the state legislature.

With great hesitancy, and only because it logically belongs to him, do I consign to the superintendent of instruction the power to nominate teachers. If he exercises it conscientiously, he is bound to arouse so many antagonisms as greatly to shorten his tenure of office. Give that power to the superintendents, and they will move from place to place with the frequency and regularity of Methodist preachers.

Such are the essential outlines for a new form, for a model city school board.

A model form of government alone, however, will not make a model government. Prof. Bryce says that New York city had, theoretically, the best form of government when it was ruled and robbed by Boss Tweed. The man element is the essential factor in every government. There is truth in Carlyle's statement: "Find in any country the ablest man there, raise him to the supreme place, and loyally reverence him, and you have a perfect government for that place." For a model school board the man element must be essentially changed, members must be something more than honest, and conscientious, and with good intentions. The crying need of boards of education is education. The curse of most municipal boards is not dishonesty, but ignorance. The wisdom of the ages, proved, not disproved, by republics, was expressed two thousand years ago by Socrates in the questions as given by Plato, "Would you trust your ship of state to pilots ignorant of statecraft?"

It is supreme folly to trust the management of school matters. In no city, however, will members be educated in school matters when

(Continued on subsequent pages.)

THE AMERICAN School Board Journal

DEVOTED TO

School Boards, School Officials and Teachers.

WM. GEO. BRUCE, Editor and Publisher.
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NOTICE SCHOOL BOARDS.

Attention is called to the fact that the Department of School Administration, N. E. A. (National Association of School Boards), will meet at Los Angeles, July 13 and 14. Every board of education is invited to send one or more delegates to the convention. Resolutions should be introduced in every board authorizing the chair to appoint one or more members to represent the board at the meeting. The expense should be defrayed out of the school fund, as it is a legitimate school item.

Delegates should be instructed to report such valuable suggestions as they may have obtained at the convention to their boards upon their return from Los Angeles.

SCHOOL BOARD IMPERIALISM.

Nearly every proposition for school board legislation which has come to our attention within the past two months has been tainted with concentration, imperialism, or paternalism. Every measure proposed under the heading of "School Board Reform" has been designed to take the schools farther away from the people. In no measure, as far as our examination has gone, has the spirit of democracy been advanced, or has there been any disposition to keep the schools of the land near those who maintain them.

Every crank reformer in the land tries his hand at least once in a lifetime at a school board turn-over. This much-abused body has become a sort of play ball for the disgruntled taxpayer, apparently because its members are less astute as politicians than the members of a city council or other official bodies.

One proposition aims to lessen the representative character of the school board by selecting members at large instead of by wards or districts. Another proposition tries to curtail the membership on the basis that a school board is a necessary evil—and the less you have of it the better. Still another wants to transfer the rights of the school board to the superintendent, reducing its members to unpaid clerkships.

Finally come measures which delegate the selection of supplies, the adoption of text books, etc., to a high-toned state commission. School boards are no longer capable of being entrusted with the ordi-

nary affairs of a school system. The people are no longer to be entrusted with the management of the schools for which they are taxed. A few wise men can take care of all the schools in a whole city or even a whole state. Democracy is a farce—and monarchical tendencies must be encouraged. Imperialism is the order of the day.

It is at times surprising how indifferent some communities are at a time when a theft of their rights is being openly perpetrated, or how they are led into joining blindly the lead of the paternalist. But the reaction will set in. The fallacy that the people cannot govern themselves, that their schools must be taken from them, will explode in due time.

The school board must remain as it has been—a representative body and the direct guardian of the public schools. It must be vested with rights as well as duties; it must continue to determine how much shall be expended for the common schools; it must continue to decide what shall be taught and who shall teach; it must retain the veto power in its own hands.

The professional factors should have the right of initiative in the appointment of teachers, in the selection of text books, courses of studies, etc., but the board must have the final voice. Any measure which curtails these rights diverts the board of education from its true mission and purpose, and removes the schools, in a greater or less degree, from those who have to foot the bills.

THE SCHOOL-DESK INDUSTRY.

The attempts by manufacturers at reaching a common understanding in regard to regulating the school furniture industry are not confined to recent years. Way back in the seventies the manufacturers came together for the avowed purpose of eliminating abuses and regulating prices. The attempts made since then have been various in character. We say attempts—because they have been nothing more than attempts in force and effect.

To exact an exorbitant rate in one locality, and to cut prices in half in another locality, in order to crush competition, was a policy that was bound to break down under the fire of the smaller manufacturer. A lot of ten thousand cheap desks thrown upon the market will be sufficient to materially affect the price of one hundred thousand desks. The small band of insurgents in ambush can bother a whole regiment of well-equipped soldiers. The cheap desk man can often force a reduction in the prices of the strong competitor. He may not secure the order himself, but may have driven the big competitor to take it at a loss. Thus the stomach of the big fish must be just large enough to hold all the little fish he attempts to swallow, or else trouble follows.

The two subsequent attempts at a regulation of the industry met with defeat solely because some men were totally devoid

of honor and honesty and lacked ordinary business sense.

This, in part, was also among the causes which led to the failure of the first project.

The result has been that the leading manufacturers of school furniture have undergone an experience which has revealed to them the real peculiarities incident to their industry, as well as the character and tendencies of those identified with it.

This experience of a past has, however, done something more. It has enabled the self-respecting manufacturer to foresee a future—a favorable future—if the existing conditions were adequately met. It is not only recognized that an understanding must be entered into which cannot be circumvented by the tricky manufacturer, but that no agreement can stand which does not embody a *good school desk at a reasonable price*. This means that the consumer as well as the producer is a factor; that the purchasing element has rights which the seller is bound to respect; that business ethics must be practiced as well as preached, and that subterfuge and chicanery will not and can not stand in the long run.

A CROOKED TEACHERS' AGENCY.

A man who styles himself Rev. L. D. Bass, D.D., and whose residence, judging from his letter-head, is located in the capitol building at Washington, D. C., has been operating a teachers' bureau or agency for some time. He began in a Pennsylvania city, but, for some reasons best known to himself, removed his bureau to Washington.

His advertisements have of late appeared only in theater programs. This may be accounted for in the fact that educational journals have been notified by the secretary of the Educational Press Association that the reverend gentleman's credit is bad. Hence they do not appear in reputable educational journals.

It is not known whether he has ever placed any teacher into a position, or to what extent he has raked in registration fees. It is known, however, that his methods are crooked, as is proven by the following proposition made to Clerk Williams of the Columbus, O., board of education, and to Amos Lawrence, secretary board of education, Fulton, N. Y.:

WASHINGTON, D. C., March 20, 1899.

Secretary of the Board of Education:

DEAR SIR—I wish to make you an honest business proposition. It is this: If you will report to me any vacancies for teachers in your schools, and will aid me in placing any teachers, I will give you half of my commission. I charge each teacher 5 per cent. of his annual salary. I am sure that over half the teachers we locate fail to report to us and pay their commission. I believe this method would make more money for me and be less trouble. This would be fair to you and to the teachers we locate. If any one should be injured by such a transaction, I would not go into it. I could have the teachers apply to you in such a way that you would know the ones I sent. When the commission is due, I could give order

through you, and thus secure your commission as well as my own. They would pay you as a member of the board, when they would pay no attention to me whatever, hundreds of miles away.

Should you know of teachers desiring positions, or schools wanting teachers, let me know and I will take pleasure in serving you.

Should you enter into the agreement mentioned above, rest assured that I will deal fair and square with you in every way.

Yours very truly,
REV. L. D. BASS, D.D.

The proposition not only aims to induce a school official, sworn to serve the best interests of his school system, to become an agent and collector for the bureau, but to become a bribe-taker as well. No public official can honestly receive compensation by aiding the business interests of any one at the expense of his official trust. No honorable and honest concern will make the proposition.

Several other teachers' bureaus will receive our attention at an early date.

COMMERCIAL SCHOOLS AGAIN.

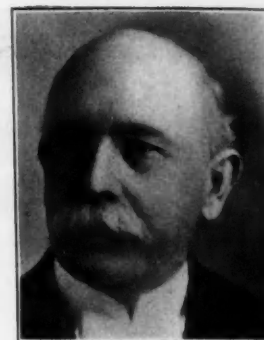
This number contains two articles on the subject of commercial training in the public schools that deserve more than passing attention, both for what they contain, as well as for their significance in certain directions. We have pointed out the trend of public opinion in the medium-sized and smaller cities on this subject as being in direct conflict with some of the leading educational workers. The schoolmaster has not been ready to sanction the practical as readily as the taxpayer has demanded it. The schoolmistress has not taken kindly to the teaching of business forms and book-keeping. And yet the school boards, which, no doubt, are a reflex of their communities, have periodically stood for that which would give the boy more of the practical and the useful, and have, therefore, favored business instruction.

As indicated above, the educators have not shared the opinions of school boards,

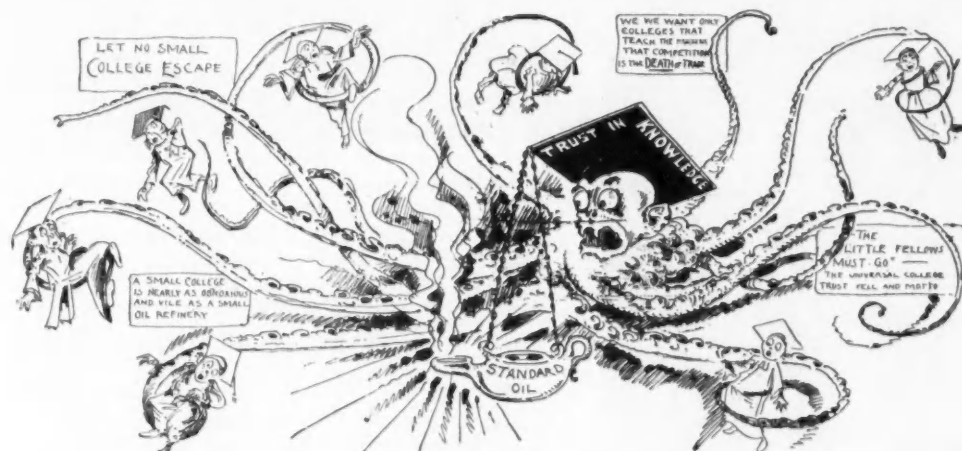
yet Supt. A. J. Smith, of St. Paul, has now brought up the subject in a way that will insure a careful investigation. His brief discussion as published is well worth reading.

The other article comes from the manager of a type-writer firm, and is significant in that it points out the decline of the regular shorthand school. Mr. W. A. Waterbury argues that the business education of the future will legitimately come within the scope of the public schools. What he says on this point is as courageous as it is true—and is worth reading.

We shall continue to present the views of educators and merchants on this subject.



PROF. A. J. SMITH,
Superintendent of Schools,
St. Paul, Minn.



The Most Obnoxious Trust of All.

The rage for combinations in trade, commonly called trust, is so great that President Harper of Chicago University suggests also a combination, or what he calls a confederation, of universities be effected.



Superintendent Andrews (to the Chicago public school teacher)—
"Simply do your work well and none of these shall prevail against you."

OUR CARTOONS.

If Tammany hall rules the board of education of New York, it did well in elevating Hon. Jos. J. Little to the presidency of that body. He is a man of high standard, able and progressive.

To put all educational institutions under one centralized control is the newest project. A French minister of instruction once boasted to a visitor that at that very hour all the school boys in France were reciting the same lesson from the same text book. Do we want this system, or anything like it, in this country?

If Supt. Andrews succeeds in guarding the teachers against the politician, he is to be commended. We believe that the Chicago schools suffer less at the hands of the politicians than the average small city.

Miss Mary T. Mason is the fourth woman honored with a seat in the Central Board of Education. Among her predecessors was Mrs. Mary E. Mumford, a woman of remarkable ability. Miss Mason is said to be a worthy successor.

The death of Prof. L. W. Day removes a man who was a prominent figure among the educational men of the country during his time.



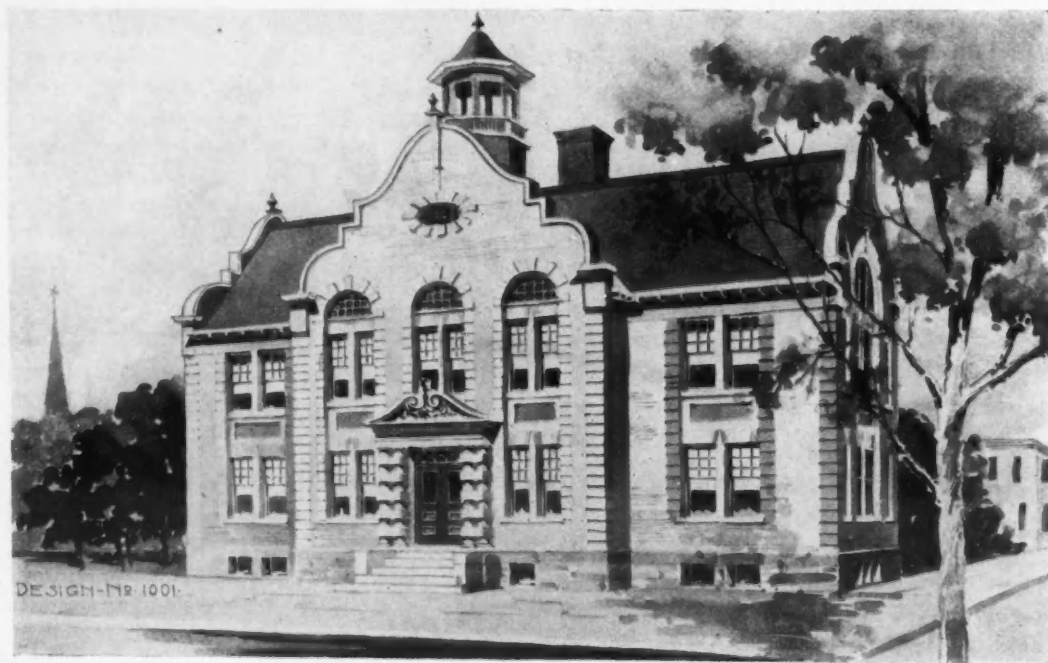
Prof. L. W. Day, ex-superintendent of Cleveland, and a life member of the N. E. A., died at Canton, O., March 12, 1899.



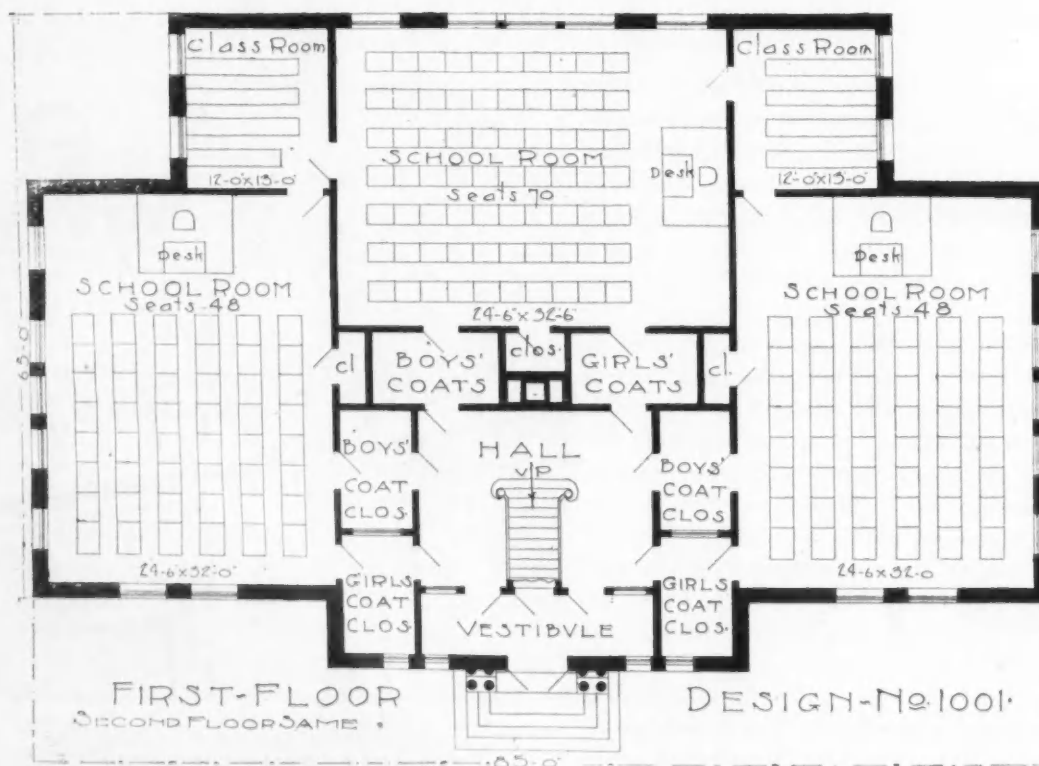
Miss Mary T. Mason takes her place as a member of the Central Board of Education, Philadelphia.

WALTER J. KRITH, Architect,
Minneapolis.

MODEL \$2,600 SCHOOLHOUSE. DESIGN No. 1008.

WALTER J. KRITH, Architect,
Minneapolis.

MODEL \$8,000 SCHOOLHOUSE. DESIGN No. 1001.

WALTER J. KRITH, Architect,
Minneapolis.

MODEL SCHOOLHOUSE FLOOR PLAN. DESIGN No. 1001.



MODERN SCHOOLHOUSE, LOS ANGELES, CAL.

Building and Finance.

Reading, Pa. The state will withhold \$20,000 because the school board elected its president by ballot instead of *viva voce*.

Superior, Wis. The school board, in asking for plans on a \$20,000 school house, made the following suggestions for guidance of architects:

1. Plans must contemplate the use of entire addition for grade schools of 750 to 850 square feet floor space each.

2. The above general plans to be modified by temporary partitions to answer the following temporary needs:

(a) An assembly room of about 3,500 square feet floor space.

(b) Five to six grade rooms, 750 to 850 square feet each, one to be used for physical laboratory (basement preferred), and one for chemical laboratory (attic preferred; both in attic if thought best).

(c) Seven class rooms, approximating about 400 to 600 square feet each.

(d) Offices in basement as follows: Superintendent's room, approximating 200 square feet; secretary's room, approximating 200 square feet; general office, approximating 300 square feet; supply room, approximating 350 square feet; board room, approximating 350 square feet; work shop, approximating 350 square feet.

Alameda, Cal. Labor unions object to janitors doing painting of school houses during vacation months. Work should be given to regular mechanics.

The Rock Island, Ill., high school is a handsome and attractive building. It is 86x160 feet, two stories and basement. It contains eighteen regular class rooms, a library, chemical, physical and astrological laboratories; also a lecture room (amphitheatre style) having a seating capacity for 450 pupils. The building was erected at a cost of \$70,000. It is heated by the Buffalo Forge Co.'s fan system. Architects Dracks and Kerns prepared the plans.



PROF. F. G. KRAEGE,
Secretary Board of Education and Superintendent,
Green Bay, Wis.

Heat and Light for Whole Town.

There was a time when Col. Isaac D. Smead went to Oshkosh, Kalamazoo, or Kokomo, to ask for a contract to heat one or two school buildings. Now he asks for the whole town, guaranteeing to heat anywhere from one to two hundred buildings from a central station.

This, in brief, tells the present activity of the old-time school house heating and ventilating engineer, who for a time had dropped from the surface. His mechanical ingenuity and enterprising activity have not, however, been lying dormant. Col. Smead is now in the prime of life, and his temporary retirement was simply due to financial misfortunes, from which he has now entirely extricated himself—ready to re-enter a career of activity and usefulness.

The present enterprise is one which deserves attention. Its scope looks stupendous on the face of it—and yet it is one which can be carried into practice with less friction and effort than one would suppose. The enterprise of the average business man or manufacturer in this country, when coupled with that of similar men, has brought into life the great industrial institutions of the country. Men have made fortunes by developing the thought of the inventor, and for the present project it may be said that its merits will make it eventually as popular as electric power or light. This is inevitable.

It is not our purpose here to discuss the economic question involved beyond the ordinary possibilities of the Smead project. It has been evident to thoughtful men for some years that some one would think out some system by which heat could be distributed with the same facility that light and water is now distributed. Col. Smead happens to be that some one. Col. Smead has gone one point further. By this system heat as well as light is distributed. How he succeeds in doing this is told in descriptive printed matter.

Those interested in the practical and at the same time necessary elements which enter into municipal affairs for greater economy, coupled with greater advantages, should correspond with the Smead Heating, Lighting and Construction Co., 320-21 Gardner building, Toledo, O.

Oshkosh, Wis. Contract awarded to American Foundry and Furnace Co., Milwaukee.

Toledo, O. Bids received: The Colton-Smead Co., with automatic regulators, \$2,975, and for non-automatic, \$2,325; Cincinnati Heating and Ventilating Co., \$2,850 and \$2,100; Bryce Furnace Co., \$1,800; The American Foundry and Furnace Co., double fan system, \$4,075; single fan system, \$2,675.

Worcester. Contract to Fuller & Warren Co.

Memphis, Tenn. The board has found considerable fault with a heating plant installed by the Ringen Stove Co. of St. Louis.

Rockford, Ill. The heating and ventilating system in the Turner school was installed by the American Warming and Ventilating Company of Chicago.

Poughkeepsie, N. Y., has decided to charge non-resident pupils in the high school \$40 a year. It costs on an average \$44 a year to teach the pupils.



DRAY & KERNS, Architects.

HIGH SCHOOL, ROCK ISLAND, ILL.

Heating and Ventilating.

School house heating for 1899 looks exceedingly promising. In any event manufacturers of heating and ventilating systems contend that the contracting business will be done on a more certain foundation than it has in many years.

Chicago, Ill. Contract for heating and ventilating the new George Dewey school awarded to the F. W. Lamb Company.

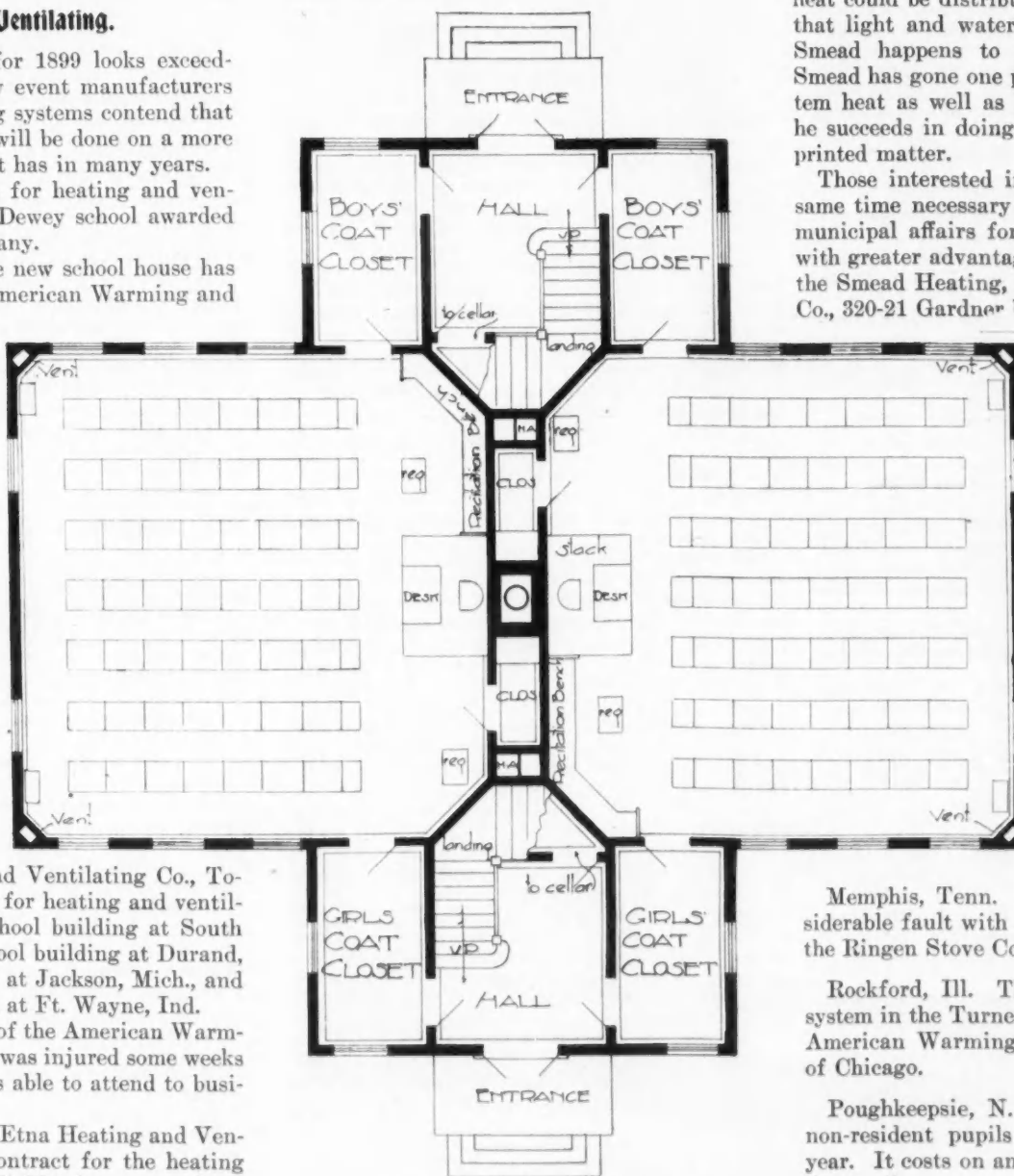
Cedar Rapids, Ia. The new school house has been equipped with the American Warming and Ventilating Co.'s system.

Col. Isaac D. Smead has gone into the regular school house heating and ventilating again. This news will be gratifying to those who know something about this engineer's ability and the great labors he has accomplished during his long career. Col. Smead is at the head of Isaac D. Smead & Co., Toledo, O., which is equipped to take contracts for heating and ventilation. See advertisement in another column.

The Bryce Heating and Ventilating Co., Toledo, Ohio, has contracts for heating and ventilating the new Colfax school building at South Bend, Ind.; the high school building at Durand, Mich.; a ten-room school at Jackson, Mich., and the new Hoagland school at Ft. Wayne, Ind.

Mr. Edward C. Lewis, of the American Warming and Ventilating Co., was injured some weeks ago by a bad fall. He is able to attend to business again.

New Castle, Pa. The Etna Heating and Ventilating Company has contract for the heating and ventilating of the Highland avenue school.



WALTER J. KEITH, Architect, Minneapolis.

MODEL SCHOOLHOUSE. FLOOR FLOOR. DESIGN 1008.

School Furniture and Supplies.

The American School Furniture Co., with a capital of \$10,000,000, was incorporated at Trenton, N. J., March 13, to manufacture school and church furniture. The incorporators are Samuel B. Lawrence, Robert R. Borough, Jr., John B. Summerfield, George E. Spencer, Henry M. Havilland, Henry C. Werdell, Armitage Matthews, Leavitt J. Hunt of New York, and James C. Young, of Jersey City.

The organization of this company is the outcome of a movement begun sometime ago by the manufacturers of school furniture to bring their industry upon an equitable basis. It has been evident for several years back that some understanding of some kind must be reached. The losses which the industry has entailed have been considerable. Failures have been more frequent than enlargements or factory improvements. While competitive prices have been ruinous on the one hand, the manufacturer found himself compelled to pay high rates for the material he used. The only flexible expenditure in the product of his goods has been the price of labor. This was capable of reduction to a certain point. When that was reached, he was either obliged to close his plant or run into debt—unless he had a rich fund to draw from and could afford to do business on a philanthropic basis. But even where the manufacturer managed to merely exist, it was by paying starvation wages for the labor he hired.

The new company embraces all the leading manufacturers of school furniture. The policy to be adopted, we are informed, will be one to meet the approval of school officials throughout the United States. Progress in the art and science of school desk construction is to be maintained, abuses in the sale and distribution are to be eliminated, steady and reasonable prices are to be maintained, and the relations between the industry and the school boards, or the seller and the buyer are to be placed upon a more satisfactory footing.

To this end the new company will have the good will of the school public. No school board cares to buy an article below its actual value. Labor is entitled to a fair compensation. Material must be paid for. Men who risk capital and give their best energy in promoting an industry are entitled a reasonable remuneration.

On the other hand the interests of the schools must be kept in mind as well. In fact, they are primary. If the policy of the American School Furniture Company includes these with a judicious sensible and progressive management of its affairs, it will confer a blessing. The school boards will be relieved from vexatious and demoralizing contests and the manufacturer will be able to pay living wages to his employees and produce a modern and well-made article. Criticism can only follow when a faulty policy is adopted. Condemnation will follow if a reprehensible course is pursued.

Montreal, Canada, recently ordered a supply of the Holden book covers, manufactured by the Holden Patent Book Cover Co., Springfield, Mass.

Boston, Mass. Thomas Hall & Son, dealers and manufacturers in scientific apparatus, have made an assignment. The business was in reality owned by Wm. A. Hall of Newton, Mass. The liabilities are about \$9,000, assets about \$3,000. Charles Sprague, 71 Equitable building, Boston, has been appointed assignee.

Kansas. The new law passed fixes maximum prices on maps, globes and general school supplies.

Harrisburg, Erie, Norristown, Pittston, and Scranton, Pa., have sent in their order for book covers and repairing material for their fall requirements to the Holden Patent Book Cover Co., Springfield, Mass.

Columbus, O. Contract for six hundred desks was awarded to E. H. Stafford Co., L. W. Sheppard, agent.

The Grand Rapids School Furniture Co., Frank Bemis, secured a contract for two hundred opera chairs. Muscatine, Ia. Bought maps and atlases of Huebinger Map and Publishing Co.

Butte, Mont., has re-ordered a supply of book covers manufactured by the Holden Book Cover Co., Springfield, Mass.

Waterbury, Conn. Bids on the school furnishings for the new school buildings were opened at the meeting, the following firms competing: Reid & Hughes of Waterbury, representing O. C. Clark of Cleveland, O.; the Heywood Bros. & Wakefield company of Boston; the Stafford company of Muskegon, Mich.; the United States School Furniture company of New York; O. D. Case & Co., of Hartford; the Grand Rapids School Furniture company of Grand Rapids, Mich. The Heywood Bros. & Wakefield company received the contract for their Eclipse desk.

The Morse drawing tables are adjustable and possess the elements of convenience and simplicity. They are manufactured by the F. W. Emerson Manufacturing Co. of Rochester, N. Y.

Providence, R. I., has ordered a supply of the Holden patent book covers for their library as well as for their schools.

Although Hinds & Noble, schoolbook sellers, New York, extended their quarters scarcely two years ago by taking two adjoining stores, they now announce that on May 1 they will take two more stores, occupying six stores in all, with three full fronts on Fourth avenue, and running through to Third avenue, with three full fronts on that avenue.

Wadena, Minn. School Dist. No. 36 has purchased a Smith Premier typewriter.

Lewiston, Me. The Physical Relief maps which Superintendent Phillips has just ordered for the study of geography in grades V, VI, and VII, are very attractive. They are the new Rand, McNally maps, fashioned after the German Klepert maps, and they are the only ones of the kind made in this country.

Tacoma, Wash. Telephones will be placed in all the schools.

Nashville. Contract for furniture awarded to U. S. School Furniture Co.

Poughkeepsie, N. Y., has adopted the "Holden System for Preserving Books," and sent in their order for book covers and repairing material to the manufacturers, The Holden Patent Book Cover Co., Springfield, Mass.

Memphis. When the dustless chalk problem came up at the school board meeting there were two large lumps of Carroll county clay on the table. They were samples of the output of that county, submitted by the Hon. Thomas Baker. They did not resemble the delicate crayons now used in the schools, but it was claimed that it was non-productive of dust, and that was the base of the argument which followed. Secretary Hill stated that he had received a letter from a dustless chalk concern which offered crayons with a guarantee that they did not possess that property which caused dust. The secretary was authorized to purchase twelve gross of the crayons for a sample. They will be used in one school, so that the board may ascertain if they fulfill all that is claimed for them.

A bill in the Indiana legislature to provide each school house with a flag, was killed. It was held that the expense would be \$12,000.

Oconomowoc, Wis. A Smith Premier typewriter has been installed in the high school here.

Waterbury, Conn., has adopted the Holden book covers.

In some of the counties in Virginia efforts have been made to sell to district school trustees charts that have not been adopted by the State Board of Education. In one county an agent has been trying to sell these charts and was arrested for attempting to bribe one of the trustees. He was bailed in the sum of \$500, but he failed to show up and his bondsman is making efforts to find out where he is.

Toledo. The board will adhere to slates and pencils.

Elkhart, Ind. The normal school here has added two Smith Premier typewriters to its equipment.

Grand Haven, Mich., recently ordered a large quantity of self binders and transparent paper from the Holden Patent Book Cover Co., Springfield, Mass.

Syracuse, N. Y. Corporation Counsel Newell reported adversely concerning the claim of the Superintendent of State Prisons that school desks and other supplies must be bought by the board of education as manufactured in the prisons. He stated that lower prices could be secured elsewhere. The charter, he stated, required that for purchases amounting to more than \$75 competitive proposals must be advertised for and the contract awarded upon the lowest bid. He recommended the continuance of the observance of this provision until such time as the courts might hand down some decision to the contrary. Acting on this report, a resolution was adopted on motion of Commissioner Huntington awarding to O. C. Clark & Co. a contract for furnishing 448 single slatwood desks. Action unanimous.

The Holden Patent Book Cover Co., of Springfield, Mass., has received their annual order for book covers from Easthampton, Westfield, and Southbridge, Mass.

Onarga, Ill. Two Smith Premier typewriters have been purchased by the board of managers of the Grand Prairie seminary.

New York. The sheriff has received an execution for \$348 against the New York Blackboard Company of Nos. 26 Vesey street and 156 Fifth avenue, in favor of the Whiting Paper company. The sheriff has received third party claims against the property in favor of the following creditors: Wyckoff, Seamans & Benedict, Amberg File and Index Co., Mosler Safe Co., and the National Cash Register Co.

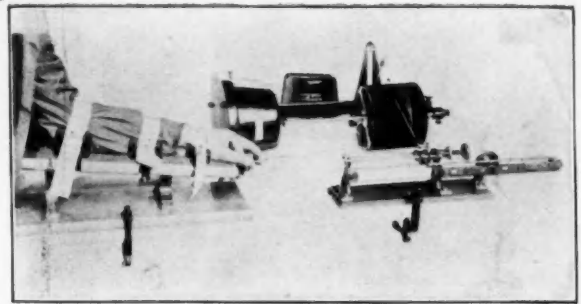
Perth Amboy, N. J., has ordered the Holden book covers and repairing material for use in their free public library. These articles are manufactured by the Holden Patent Book Cover Co., Springfield, Mass.

East Orange, N. J. The board is equipping all schools with the National fire escape. The East Orange people pride themselves on having the most beautiful and best arranged schools in the country, and claim that the National escape is an essential.

The Holly Silicate Slate Company has removed its New York headquarters to 180 Fulton street. Its London headquarters have been removed to Saracen Chambers, Snowhill, London, England. These removals are due to the large demand for the company's new goods. Larger quarters are necessary and the result has been that the New York headquarters will be double in size. The company's English trade has also increased, so that the new London headquarters had to be enlarged, a building in the American Colony having been secured.

Taunton, Mass., has sent in its annual order for book covers to the Holden Patent Book Cover Co., Springfield, Mass.

Campbellsport, Wis. Superintendent of Schools Wruka has purchased a Smith Premier typewriter.



The ergograph, which is illustrated and described on page 3 of this issue, is manufactured by the Chicago Laboratory & Supply Co., 31-45 West Randolph Street, Chicago. The above illustration was made direct from a photograph of the apparatus.

New York. The lowest bids were as follows for installing the programme clock system in Erasmus Hall High school: Jacob Richter, \$1,290; for furniture for Boys' High school, United States School Furniture Co., \$1,543.63; for teachers' desks, \$1,181.40.

Omaha, Neb., has ordered a supply of the Holden book covers and repairing material, which comprises the "Holden System for Preserving Books."

New York. The price of slate used for blackboards has gone up to such an extent that the department of school buildings has been forced to exercise its prerogative, and now is refusing all bids for slate work of this description, on the ground that the lowest price offered is excessive. Contracts for blackboard slate, for which formerly there were bids as low as 32 cents, now fail to attract offers of less than 45 cents per square foot. Small work of the sort formerly done at 45 or 50 cents per square foot cannot be obtained for less than 65 or 70 cents per foot. These increases of from 40 to 50 per cent., strange to say, cropped up all at once in the offers of several of the bidders. They deny, however, that they are in any combination, and say that the new figures are merely a re-action against the abnormally low prices of the last few years, which yielded absolutely no return to the quarry owners.

The State Normal School of Johnson, Vt., has adopted the Holden patent book covers, and sent in their order to the Holden Patent Book Cover Co., Springfield, Mass.

J. M. Sauder, president of the J. M. Sauder Co., is ill being brought on by a strain of long continued overwork in his efforts to produce and put upon the market the most satisfactory adjustable school furniture manufactured, and furniture in keeping with the present high class of buildings being erected. Before being taken sick, he had just about finished the fourth contract for school furniture for the Brightwood school, Springfield, Mass. Several months ago he had completed the contract for furnishing the Forest Park building, the finest school building in the United States. The beautiful appearance of this building, furnished with this fine furniture, makes it the most attractive in the country, and the hygienic department of the schools of that city pronounce the chair the only perfect and comfortable school chair for that purpose. When the Springfield educational people contracted for this furniture, they were fully aware as to the high grade and kind of furniture they were purchasing and would receive, as they had placed two previous contracts, one for the Indian Orchard school, and the Homer street school building, where they had Mr. Sauder's furniture in use for some time.

Scranton, Pa. Board purchased desks from Thomas Kane & Co., Racine, Wis.

Saginaw, Mich. School desks were bought of the Haney School Furniture Co., Grand Rapids, Mich.

Hornellsville, N. Y. The board of education has purchased a Smith Premier typewriter.

Columbus, O. Contract for school furniture awarded to E. H. Stafford & Co., Muskegon, Mich.

Pauls Valley, I. T. A Smith Premier typewriter has been purchased for use in the high school.

Newark, N. J. Pictures for the decoration of forty public schools have been purchased by the Educational Association.

Bellefonte, Pa. A new Smith Premier typewriter has been installed in the state college here.

The Carter's Ink Co., Boston, Mass., will send free an interesting booklet, "How to Make Ink Pictures," to any one who will mention this magazine.

The McIntosh Battery and Optical Co. of Chicago has placed a heliopticon in the market which is attracting considerable attention. It is adapted to all purposes for projection and physical demonstration and can be used with any light.

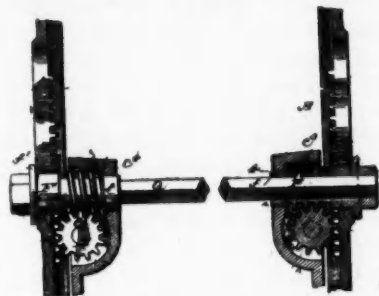
Philadelphia, Pa. The board of education has purchased two Smith Premier typewriters for use in the schools.

Tiffin, O. Bought four Nature cabinets at \$55 each. Mr. Tiffin agent.

J. P. Colt & Co. have gone back into the lantern slide business. It will be remembered that this firm has for years made a specialty of lantern slides for educational purposes. Their office and factory are located in New York City.

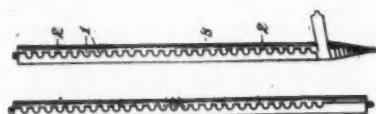
Recent Patents.

SCHOOL-DESK. John F. Field and Charles Prins, Muskegon, Mich., assignors to the E. H. Stafford Co., same place.



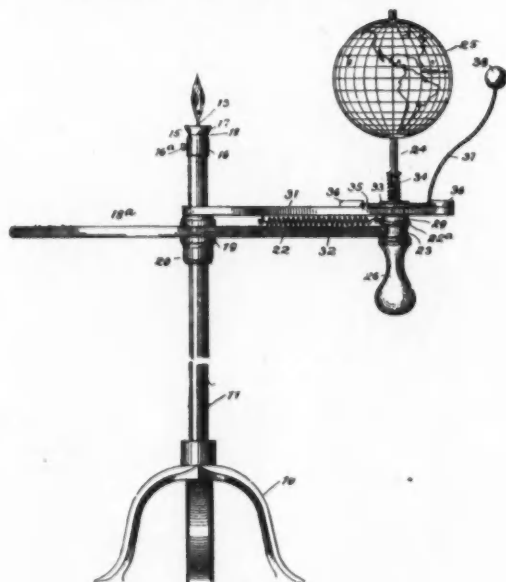
In an adjustable desk or seat, the combination of a casting having an elongated slot and the rack at one side of the slot; with an opposite casting having pockets for the accommodation of a pinion and a worm; with the pinion journaled in said latter casting and meshing with said rack, and the worm also journaled in said latter casting and meshing with said pinion, said worm having a head extending through the slot in the first casting.

PENCIL. Robert R. Rakestraw, Vienna, Austria-Hungary.



A pencil consisting of a lead or crayon, a sheet of flexible material weakened along parallel lines and having notches, recesses or slits in its outer edge corresponding respectively to said weakened lines, which sheet is rolled or wound upon said lead or crayon, and a feeble adherent uniting said outer edge to the convolution of said flexible material beneath it and also uniting the several convolutions of said material.

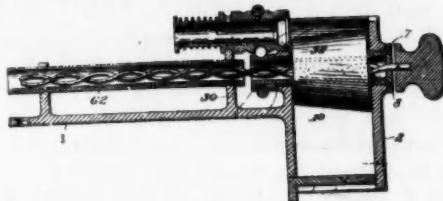
TELLURIAN. Josephine A. Mitchell and Frank A. Reynolds, Lewiston, Me.



In a tellurian, a stationary support, means representing the sun mounted on said support, a stationary toothless rail forming a track carried by the support, an arm held to and rotatable around the support, said arm having one end thereof slotted, a rotatable shaft carrying a globe movable lengthwise on the arm, a pulley secured to the shaft and normally held against the track to impart rotary movement to said

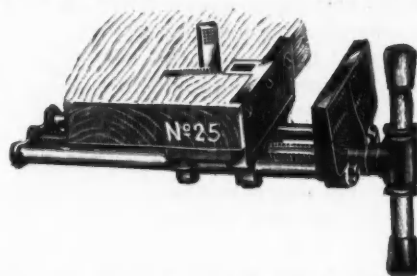
shaft, and an independently-movable body carrying a representation of the moon held on the arm and movable around the shaft.

PENCIL-SHARPENING MACHINE. Holman K. Wheeler, Lynn, Mass., assignor of one-half to George J. Carr, same place.



A machine for sharpening pencils, comprising a cutter adapted for movement rotatively in opposite directions, and the cutter having provision for cutting in both of said directions, combined with means for holding and means for feeding the pencil to the cutter, and means for moving the cutter alternately in one and then in the other of said directions, and means for simultaneously rotating the pencil.

We illustrate in this issue a part of a line of wood-workers' vises that are not only being used in many of the largest establishments of the country (see advertisement elsewhere), but are being adopted by technical schools, industrial schools, and manual training schools in all sections of the United States. We are informed that over 1,500 are in use in Chicago schools. The first forty-eight vises the manufacturers



turned out were sold to the board of education, February, 1894, for the Medill school, where they have been in continuous use, and are as perfect today as when first put in. In fact, the manufacturers claim they are the only vises that have stood the severe use from the thousands of boys that use them in manual training work. The board of education of New York city have ordered upwards of 500 of the No. 20 vises during the past three years, and the manufacturers inform us they have not been called upon to furnish a single worn, broken, or defective part from them, or from the hundreds of schools using them. Mr. W. C. Toles, the inventor, and manufacturer of these vises, has had an experience of over twenty-five years as a mechanical engineer, during which time he had, as foreman and superintendent, charge of large numbers of mechanics and boys, and is therefore especially fitted to perfect a tool so generally used. Catalogue and full information will be cheerfully furnished by the manufacturers, W. C. Toles & Co., Irving Park, Chicago, Ill.

Since the introduction of the laboratory method of teaching physics, all courses in secondary school work, as well as the elementary

courses in college work, have contained the exercise calling for determining the linear coefficient of expansion of rods of various metals. The new linear expansion apparatus of the L. E. Knott Apparatus Co. of Boston, devised for this exercise, has been subject to numerous and frequent changes, every change having in mind the production of a piece of apparatus which can be placed in the hands of a pupil and give satisfactory results without attention on the part of the instructor. As the lever form is the one most frequently used, it may be interesting for teachers of science to examine the cut here illustrated. It will be noted that all essential parts are so exposed that measurements can readily be taken. The mirror with which the scale is provided renders exact readings practical.

The Crowell Physical Apparatus.

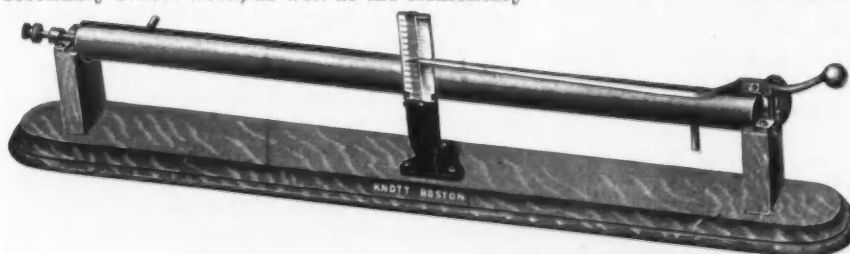
An interesting as well as unique feature in the educational line is the appearance in the market of the combination scheme of physical apparatus developed by Mr. Crowell. It is the crystallized result of several years of experience in the Indianapolis high school, and shows the hand of the practical teacher throughout. It is unique in design, excellent in workmanship, and thoroughly pedagogical in plan. The cabinet is an elegant piece of furniture, and, at the same time, forms a complete working table and a case for the stowing and perfect protection of all the parts.

The apparatus consists of about two hundred and fifty pieces, most of them so designed that they may be combined in turn into many machines and working instruments. By this means a maximum number of experimental devices may be constructed at a minimum cost. It secures, too, the advantage to the pupil of building up his own apparatus. It teaches him to think, to observe, to do. Special care has been taken to render the vital parts of the more complex machines easily visible while in operation. The steam engine, for instance, has the cylinder and top of the steam chest of glass. An ingenious system of numbering makes it easy to keep the parts in perfect order when not in use and to find them without difficulty when needed.

A complete manual of 240 pages with scaled, numbered cuts, giving minute directions for about five hundred experimental exercises accompanies the set.

The apparatus seems equally well adapted for large high schools where laboratories for individual work are desired, and for smaller schools where a single complete set must serve a whole class.

A large number of sets have been in use during the current school year in schools and seminaries, such as the Connecticut Literary Institution of Suffield, Conn., and the Berkley school of New York city, and the teachers seem to be unanimously enthusiastic over results. We believe this unique apparatus is thoroughly "up to date," and commend it not only to teachers, but to parents who are anxious to interest their boys in something at once delightful and thoroughly practical.



NEW LINEAR EXPANSION APPARATUS OF THE L. E. KNOTT APPARATUS CO., BOSTON.

The waste-poke manufactured by Hess & Curtis of Warsaw, Ind., is winning laurels. Its use has been growing daily since it was first introduced, owing to the real utility of the article as a school room equipment.

Book Reviews.

UN PEU DU TOUT. Cloth, 288 pp. 75 cents. Published by Wm. R. Jenkins, New York.

M. F. Julien does not claim that his book is a vade mecum. It does not combine a critical grammar, well-selected readings, exercises in conversation, rules for pronunciation. No, it is only a phrase-book; but an unbiased critic would call it a full phrase-book, as the first part contains 1,000 colloquialisms. An unbiased critic would also agree with the modest assertion that, judiciously used, it will supplement regular work in reading and grammar. In short, its strength lies in its well-defined limitations.

C. H. L.

A COMPLETE LATIN GRAMMAR. By Albert Harkness, Ph.D., LL.D., Professor Emeritus in Brown University. Half-leather, 12mo., 254 pp. Price, \$1.25. American Book Co., New York, Cincinnati and Chicago.

The text books of Dr. Harkness have been in use in various states for a period of over thirty years. That they have given satisfaction cannot be questioned. The revised edition which has now made its appearance is intended to meet the changed methods in school and college instruction. As indicated by its title, the Complete Latin Grammar is designed at once as a text book for the class room and a book of reference for the student. It aims not only to present a systematic arrangement of the leading facts and laws of the Latin language for the benefit of the beginner, but also to make adequate provision for the needs of the advanced student.

YALE VERSE. Compiled by Charles Edmund Merrill, Jr. Published by Maynard, Merrill & Co., New York, Chicago.

Mr. Merrill, the compiler, deserves the credit for having selected the best that has come from Yale in the way of poetry, and thus preserving in book form what otherwise would have remained buried in periodicals. Most of the verse is good. Much of it is real poetry. It demonstrates that the poetic fire is reposed in the souls of many young men, and that at some period in life the power of expression is exerted—perhaps never to be revived again.

NEW METHODS IN EDUCATION. Art, Real Manual Training, Nature Study. By J. Liberty Tadd. Cloth and boards, 7½x10½ inches, 456 pp. \$3. Orange Judd Co., New York, Springfield, Mass., Chicago.

The author of this elaborate work is director of industrial art in various schools. He is evidently an enthusiast. He treats his subject quite fully in five parts, or books. In the eight chapters of the first part he deals with first principles in training the mind and the hand. He next discusses the numerous drill forms and combinations in manual training drawing, drawing from nature and from memory, and conventional and symbolic forms. In part three there are seven chapters devoted to modeling. Part four is devoted to wood carving in all its forms. Finally, there are the various applications of all that has gone before, and the correlation of drawing and manual training with other studies. The work contains forty-four full-page plates, and in all 478 original illustrations. These many illustrations are excellent. In quality of material, style and appearance, the book is all that could be desired. We think the author's strictures on the advocates of sloyd, and his remarks in a few other instances, are not in good taste.

BRAIDED STRAWS. By Elizabeth E. Foulke, Author of "Twilight Stories." Square 12mo., 135 pp. Beautifully illustrated with sixteen large, original cuts, many of them full-page, and dainty initials, head and tail pieces, etc. Cloth. Introductory price, 40 cents. Silver,

Burdett & Co., publishers, Boston, New York, Chicago.

Braided Straws belongs to that class of delightful little books that offer a feast for primary pupils. The author displays a remarkable ability as a writer for children. Her subjects are well chosen and deftly handled. The busy teacher or over-burdened mother, looking for something new and bright and altogether healthful in spirit and tone for the children to read, will find this dainty little volume a veritable treasure trove. It will make a delightful supplementary reader for primary grades, and a choice addition to children's home libraries.

FOUR-FOOTED AMERICANS. By Mabel Osgood Wright. Edited by Frank M. Chapman. Illustrated by Ernest Seton Thompson. Published by the Macmillan Co., New York. 432 pp. Cloth. Price, \$1.50.

The above-mentioned volume is a neatly bound book treating about the quadrupeds of America. It is fully illustrated. The subject matter is told in an easy and interesting narrative, thus making it a most desirable book for the young, in whose minds a love for animals ought to be instilled and all cruelty to the same avoided. This can be successfully accomplished by making them acquainted with these animals. The scene of the story is at "Orchard Farm and Twenty Miles Around." The time, from fall to spring. The characters introduced into this story are many; but the most important *dramatis persona* is a certain Dr. Hunter, who, after traveling for many years, returned to his old home at Orchard Farm, with his daughter Olive. He invites Nat and Dido, his nephew and niece, respectfully, who had always lived in the city, to spend the summer with him, so that they might learn about outdoor things. Having spent the summer, arrangements were made by Dr. Hunter for a longer stay at Orchard Farm, viz: From Fall to Spring. What they did and how they became acquainted with the Four-Footed Americans is told in this story.

F. L.

THE FREE EXPANSION OF GASES. Edited by T. S. Ames, Ph.D. Published by Harper Bros., New York and London. Cloth, 102 pp. Price, 75 cents.

PRISMATIC AND DIFFRACTION SPECTRA. By same Editor and Publishers. Cloth, 68 pp. Price, 60 cents.

These two books are the first and second volumes of a series of scientific texts intended to place before college students—cheap and convenient copies of those essays which have made the names of Toule, Gay-Lussac, Sir W. Thompson, Fraunhofer, etc., well known in every laboratory. Dr. Ames, of Johns Hopkins, aided by scientists from other leading universities, is selecting these celebrated memoirs from the journals in which they originally appeared, and now students may read the "Mechanical Equivalent of Heat" and the "Fraunhofer Lines" by referring to this series, issued by the Harper Bros.

VIVID SCENES IN AMERICAN HISTORY. Book I.

By Helen M. Cleveland. Boards, 131 pp., 25 cents. Benjamin H. Sanborn & Co., Boston. Some historical articles by Miss Cleveland in the *Youth's Companion*, attracted the attention of the publishers. They requested her to write a series of such articles for a set of Historical Readers, consisting of five books. Number I relates to the period of discovery and exploration, containing twenty-four sketches, from the boy Columbus on the wharves of Genoa, to the writing of the name "America." The author has taken pains to have every statement historically correct. Illustrations represent the costumes of the times. The sketches are intensely interesting, and to the classes in grammar

schools instructive, as they cannot fail to awaken an intelligent interest in history.

OUR COUNTRY'S FLAG AND THE FLAG OF FOREIGN COUNTRIES. By Edward S. Holden, LL.D. Published by D. Appleton & Co. Price \$1.

This volume forms a valuable number of Appleton's Home Reading Books. It contains a splendid account of the national flag of America and of the various standards that were set up on the continent of North America by the early discoverers and explorers. A history of flags in general, and of the European nations in particular, is also given. The author has treated his subject with a descriptiveness that is clear and vivid. An attractive feature of the book is the many excellent plates of flags printed in colors. Every American child should know the ground history of the country's flag and this work should therefore have a conspicuous place in all school libraries.

THE EVOLUTION OF PLANTS. By Douglass Houghton Campbell, Ph. D., Leland Stanford Junior University. Cloth, 319 pp., \$1.25.

The Macmillan Company, New York, London. Students of science find a wonderful fascination in their pursuits. Sometimes they are led to jump at conclusions that are hardly justified by established facts. One enthusiastic student of botany declares that plants feel if they do not think; that they at least possess an "awareness" of their own existence. In these lectures the author keeps within the limits of observed facts, but these are suggestive. "The question of the origin and affinities of the manifold forms of life making up the organic world becomes of absorbing interest to the biologist." With improved appliances for making researches, the subject has grown in interest. The protoplasm somehow disposes itself in the building up of cell-structures that are modified by conditions, and we have the development of higher forms of plant life. The cross fertilization of plants is a very interesting subject. This and the whole subject of the transformations of vegetation, the author has presented scientifically and yet as untechnically as possible. The understanding of the subject is aided by many illustrations.



An Enthusiast.

Student—Oh, this stroll in the forest is heavenly! What a grand mystery; what whisperings of nature! If I could understand the language of this beautiful oak tree, what would it say to me?

Professor—It would say—pardon me, young lady—but I am a beech tree.

Books Received.

A Dictionary of University Degrees, by Flavel S. Thomas, M. D., LL. D. Published by C. W. Bardeen, Syracuse, N. Y.

The Sir Roger De Coverley Papers from The Spectator. With introduction and notes. Edited by Mary E. Litchfield. Published by Ginn & Co., Boston, New York and Chicago.

Author's Birthdays. Second series. Author and publisher, C. W. Bardeen, Syracuse, N. Y.

The Sir Roger De Coverley Papers from The Spectator. With introduction and notes by William Henry Hudson. Published by D. C. Heath & Co., Boston, New York and Chicago.

Business Correspondence in Shorthand. In the reporting style of Pitman's shorthand. Published by Sir Isaac Pitman & Sons, New York. Price 35 cents.

Pitman's Rapid Series. German Shorthand, an adaptation to the German language with rules and explanations printed in both the English and German languages. Published by Isaac Pitman, New York. Price 35 cents.

Pitman's Rapid Series. Pitman's French Course. Part 1. Published by Isaac Pitman, New York.

Our Feathered Friends, by Elizabeth Grinnell and Joseph Grinnell. Published by D. C. Heath & Co., Boston, New York and Chicago.

Manila and the Philippine Islands. Published by The Philippines Co., New York.

Algebra for Schools, by George W. Evans. Published by Henry Holt & Co., New York.

A German Reader, edited by Waterman T. Hewitt, Ph. D. Published by the Macmillan Co., New York. Price \$1. For sale by Des Forges Company.

A Text Book of Physics, by J. H. Poynting, Sc. D., F. R. S. and J. J. Thomson, M. A., F. R. S., Hon. Sc. D., Dublin, Hon. D. L. Princeton. Sound. Published by Charles Griffin & Co., limited, London.

Principles and Methods of Teaching, by Charles C. Boyer, Ph. D. Published by J. B. Lippincott, Philadelphia.

Four American Naval Heroes, by Mabel Borton Beebe. Published by Werner School Book Co., Chicago, New York. Price 50 cents.

Magazines Received.

Harper's Magazine for April. Published by Harper & Brothers, New York. Price, 35 cents.

Century Magazine for April. Published by the Century Co., New York city. Price, 35 cents.

Scribner's Magazine for April. Published by Chas. Scribner's & Sons, New York. Price, 25 cents.

Cosmopolitan for April. Edited by John Brisson Walker. Published by the Cosmopolitan Co. Price 10c.

Forum for April. Edited by J. M. Rice. Published by The Forum Publishing Co. Price, 35 cents.

American Monthly Review of Reviews for April. Edited by Albert Shaw. Published by The Review of Reviews Co., New York. Price, 25 cents.

Atlantic Monthly for April. Published by Houghton, Mifflin & Co., New York. Price, 35 cents.

Arena for April. Published by The Arena Publishing Co., Boston. Price, 25 cents.

Lippincott's Monthly for April. Published by J. B. Lippincott Co., Philadelphia. Price, 25 cents.

Kindergarten Review for April. Published by the Milton-Bradley Co., Springfield, Mass. Price, 20 cents.

The Nickell for April. Published by The Nickell Magazine Co., Boston. Price, 5 cents.

Designer for April. Published by the Standard Fashion Co., New York. Price, 10 cents.

Dramatic Magazine for April. Published by the Dramatic Magazine Press, 356 Dearborn street, Chicago, Ill. Price, 25 cents.

Guntton's Magazine for April. Published by the Guntton Co., Union Square, New York. Price, 25 cents.

Other Publications.

Messrs. Benj. H. Sanborn & Co. announce for early publication in the Cambridge Literature Series:

Addison—Sir Roger de Coverley Papers. Edited by Frederick L. Bliss, A.M., Principal of Central High School, Detroit, Mich.

Burke—Speech on Conciliation with America. Edited by Anna A. Fisher, A.M., Professor of English Literature, the University of Denver.

Coleridge—Ancient Mariner. Edited by John Phelps Fruit, Ph.D., Professor of English, William Jewell College, Missouri.

Goldsmith—Vicar of Wakefield. Edited by Robert John Peters, A.M., Professor of English Literature, Missouri Valley College.

Longfellow—Evangeline. Edited by Agnes M. Lathe, A.M., late Instructor in English, Women's College, Baltimore.

Lowell—Vision of Sir Launfal. Edited by Ellen A. Vinton, A.M., Instructor in English, Washington, D. C.

Macaulay—Essay on Milton and Addison. Edited by J. Griffith Ames, A.B. (Oxford, England), late Professor of English Literature, Kenyon College.

Milton—L'Allegro, Il Penseroso, Comus and Lycidas. Edited by Edward S. Parsons, A.M., Colorado College.

Pope—Translation of the Iliad, Book I, VI, XXII and XXIV. Edited by Philip J. Gentner, A.B., Indiana University.

Shakespeare—The Merchant of Venice. Edited by John Goddard Hart, A.M., Instructor in English, Harvard University.

Tennyson—The Princess. Edited by Lewis W. Smith, Ph.D., Instructor in English, Lincoln Normal, Nebraska.

J. B. Lippincott & Co. will shortly publish a new primary history by Morris, author of their brief history and the history of the United States.

J. B. Lippincott & Co. will publish a mental, elementary and practical arithmetic about May 1.

Hinds & Noble have published a book entitled, "Recent Civil Service Examination Questions and Answers." One of the Eastern journals, commenting on it, says: "No book published this year will have greater popularity than Francis E. Leupp's compilation, 'How to Prepare for a Civil Service Examination, with Recent Questions and Answers.' It is as perfect a guide to the federal civil service as the most helpless applicant can desire. The plan of the book is admirably conceived and most conscientiously carried out. It covers the whole civil service, from knife-grinder or laborer to assistant attorney of the interior department or chief engineer of the ordnance department."

School Board Elections.

Indiana. Indianapolis: Member, Chas. M. Dickson.

Maryland. Baltimore: President, Chas. H. Gatch; Chas. H. Bond, secretary, \$2,000.

Massachusetts. Harwich: Member, Wm. F. Sears.

Missouri. Sheridan: Members, Joseph Turner, Jos. Winemiller; president, W. S. Dale.

Minnesota. Stephen, Dist. 1: H. I. Yetter, J. H. Merdink, J. P. Lundin, Peter Loftgren, John Gillespie, Pat. McClellon. St. Paul: Christian Fry, H. C. McNair.

New York. Elmira: Secretary, R. J. Round. Troy: Chas. E. Davenport, Jas. H. Morrissey. Montgomery: Wm. Eager, C. H. Van Blarcom.

Oregon. Hillsboro: Director, R. B. Collins; Clerk, Peter Boscow. Junction City: Directors, J. H. Miller, J. W. Geary; clerk, Frank Moorhead. Milton: Director, A. E. Troyer; clerk, S. A. Miller. Forest Grove: Director, Robt. W. Lancelfield; clerk, Jos. Bailey. Roseburg: Directors, O. P. Coshaw, F. W. Woolley; clerk, Miss C. Dillard. Cottage Grove: Director, L. Morris; clerk, Oliver Veatch. Woodburn: Director, Hon. J. H. Settlemeier; clerk, Alfred Austin.

Pennsylvania. Lebanon: President, J. Shindel Krause; secretary, Ira M. Rutter, \$175. York: President, Chas. H. Stallman; secretary, John F. Rudisell, \$360; members, Dr. S. K. Pfaltzgraff, Samuel Hake, U. S. G. Strine, J. Frank Gable, Charles H. Stillman, Isaac Rudisill, L. A. Small, Charles M. Billmyer, Michael M. Little, W. H. Wholf, S. Nevin Hench, William A. Mitzel, John H. Small, Edgar A. Frey, Dr. J. R. Spangler, Dr. G. W. Simpson, Arthur S. Keller, Lewis R. Fink, E. T. Moul, Robert J. Lewis and J. L. Menough. McKeesport: President, Jas. D. Foster; secretary, Duane P. Smith, \$1,200; members, Charles Arthurs, James Hewitt, Robert Lowrey, R. D. Teter, William Hardy, L. N. Morgan, T. D. Gardner, John Smith, F. S. Gleason and J. C. Zwinger. Allegheny: President, Chas. P. Lang; secretary, Geo. W. Gerwig. Reading: President, B. F. Hunsicker; secretary, Francis Roland, Jr.; treasurer, A. R. Hoover. Pittsburg: Members, J. T. McGhee, W. B. McFall, W. M. Brobeck, R. P. Loughlay, R. W. Thompson; president, Dr. W. H. McKelvey; secretary, Chas. Reisfar; assistant secretary, M. W. Lewis. Wilkesbarre: President, C. H. O'Brien; secretary, A. T. Walsh; members, William Jordan, John Doyle, Charles O'Brien, T. P. O'Brien, T. J. McNevin, Elmer Sourwine, J. Pfingsten, W. Schwab, James P. Quinnan, J. Naugle, William Abbott, Jacob Backus, Alexander Sloan, Fred Seibel, William Golden, Peter Joyce, M. W. O'Boyle, W. G. Foster, William Monk, G. S. Jones, M. V. Quinn, A. T. Walsh. New Castle: President, R. C. G. White; secretary, John S. Westlake; Philadelphia, 21 section, Harry Gill. Snyderstown: George Kline, Jacob Delbler.

(Complete election reports, next issue.)

Twin School Desk Men.

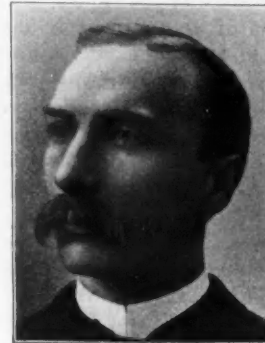
The writer reached Athens, which is located in the Southwestern part of Ohio, on a Saturday afternoon when the main street of this thriving city was lined with farmer wagons, and the court-house surrounded with groups of rustics, who gathered for their weekly exchange of greetings and current news. The business interests are practically centered on the main street, while the factory chimneys are seen outlined against the distinct hills that surround the city.

In the valley about a mile northeast of the city are seen the buildings of the Hudson School Furniture Company. The first question that arose in our mind was why this site should be selected for the manufacture of school furniture.

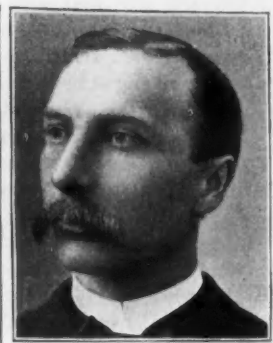
Chance rather than design might determine the location of some factories—but after a closer examination it was made evident that forethought, rather than accident, located the Hudson School Furniture Company's plant just where it now is.

Some four years ago the Hudson brothers, then living in western Ohio, looked about for a factory site. A central location, geographically as well as in point of accessibility, together with favorable natural conditions, was the motive which resulted in the selection of the present factory site.

The vague impression that Athens is located in the "neck of the woods" is soon dispelled when it is visited, and its resources and environments studied. Here the school desk manufacturer is practically at the entrance of the West



W. C. HUDSON,
President.



S. M. HUDSON,
Secretary.

HUDSON SCHOOL FURNITURE CO.

Virginia wood lands, from which oak, cherry, walnut and maple woods are secured. The country contributing to Athens is rich in oil and coal. Even the Hudson people have a fine oil and gas well on their forty-acre tract which supplies light and heat for the whole city. Coal is close at hand and sold at a low figure. Thus the essentials in a manufacturing plant is readily at hand and at a nominal figure.

The Hudson School Furniture Company, however, not only favorably situated in securing its lumber and iron and the fuel for its factory, but its shipping facilities are equally favorable. The railroads which cross Athens run in all directions, making the shipping easy to all parts of the United States.

The factory plant which was partially destroyed by fire last September, has been rebuilt, making it, in several particulars, one of the most complete in the United States. A complete foundry, having, it is said, a larger floor space than that found in any other similar plant, as well as a complete wood-working department forms an important part of the plant. Spur-tracks run alongside the shipping rooms so that all orders can be filled not only with completeness, but with unusual dispatch.

The officers and proprietors of the company are S. M. Hudson, president, and W. C. Hudson, secretary and treasurer. The former spends most of his time in looking after the manufacturing interests. He is a well-balanced, thoughtful man, who is fully impressed with the importance of providing a modern school desk that shall be all that the word "modern really implies." He believes not only in the utility of improvements, but also in the honesty of the material used.

W. C. Hudson, while looking more closely after the outside business, and therefore given to the more strictly business phases relations of the firm, is nevertheless much the same style of man. Tall, cool-headed and energetic, like his twin brother, he is bent upon supplying a good article at the right price. He has won the confidence of school officials wherever he or his goods are known.



The Power of Old Memories.

The capital little sketch in the January SCHOOL BOARD JOURNAL entitled, "Saddle to Saddle," illustrates forcibly the touch of nature we bookmen meet with at intervals. It illustrates the power of old comradeship, of old memories.

The good colonel forgot everything else in the book contest; he saw no obstacles which he could not surmount—and all for the sake of an old comrade who had been laid away.

The story reminds me of an incident in my own career. I am an old bookman, who began life teaching school in New York state way back in the forties. Some three years ago, and after I had been in the agency field for ten or more years, I was sent to a Nebraska city to defend the interests of my house.

After reaching the town in question, and looking over the situation, I concluded in my own mind that the jig was up, as far as the interests of my house were concerned. A sentiment had been worked up against our books by rival houses—and it seemed simply useless to attempt anything in the way of counteracting the movement.

I wrote my house—explained the situation, and prepared them to look for a complete rout; I would remain upon the scene simply for the purpose of seeing who would walk over my corpse.

The key to the situation was in the hands of a railroad official (a man whom I will call Col. Fredericks), the most influential citizen in the place. He was a man of force, clear-headed and honest. His aggressiveness as president of the school board had won for him the admiration of the community. He, it was understood, was also against my books. I had learned this in a few hours. I did not deem it necessary to call upon him, and simply concluded to remain a passive witness to an unpleasant scene that was about to be enacted.

In the course of the first evening, while lounging about the hotel, I was obliged to listen to a great many remarks by rival bookmen. There were shafts of wit, sarcasm and all-around pokes of fun at the expense of my house and myself. You see, there is that in human nature that will rail and twit the defeated politician and the vanquished bookman. I was practically defeated and concluded to take the teasing good naturedly.

The bookmen, however, paid less attention to me when several members of the board made their appearance in the hotel lobby. Every agent had a case to argue, and I simply watched the animated group before me. Here and there a word or laugh reached me where I sat near the front windows.

"Say, Varney, you look too glum tonight," said one of the bookmen, addressing me. "Why don't you make the best of it?"

"I do," was my reply. "I am taking it philosophically. What more can I do?"

"Why, join the crowd. Come on, Varney; be a good fellow." This was spoken loud enough to attract the attention of several gentlemen.

One of these turned at the sound of my name, walked in the direction where I sat for a few paces, and eyed me closely for a moment.

"Is your name Varney?" he asked.

I answered in the affirmative. He surveyed me with a curious interest.

"Fredericks is my name. I am president of

the school board. But let me ask you, did you ever teach school in New York state?"

Again I replied in the affirmative.

"Why, man!" he exclaimed, "you are my old schoolmaster. How you have changed! And yet I wouldn't forget you in a thousand years."

After inquiring into my personal welfare—my history since he had been my pupil—he wanted to know what had brought me to the West. A pleasant hour's chat, full of reminiscences, followed.

"And now," said he in conclusion, "if there is anything under the sun I can do for you, command me."

"Save my books," I broke out before he could finish, "and I shall always be grateful to you."

This was all that I had to say. When the contest was over, the other bookmen couldn't understand why all my books were retained.

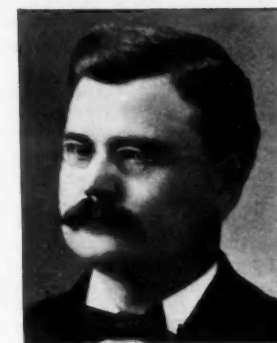
Mr. Thomas Charles, president of the Thomas Charles Co., Chicago, is spending a month with his wife and daughter at Orlando, Fla. Mr. Charles had been ailing some, and his physician advised him to remain South until spring.

Mr. L. G. Palmer, formerly sub-master of Portsmouth, N. H., high school, has been engaged by Chas. Scribner's Sons to look after their interests in New England and New York state outside of the metropolitan district. Mr. Palmer was a very successful teacher, and in his new field will undoubtedly achieve the success he deserves.

S. Willard Clary, who was at one time known in the book field, has for more than seven years been engaged as editorial and general manager of the modern language of D. C. Heath & Co., Boston. That accounts for his absence on the scenes of battle.

The Prang Educational Co., whose Western headquarters have been located at 151 Wabash avenue for some time, have now removed to the Fine Arts building, 203-207 Michigan boulevard. The company will occupy the entire northeast corner of the eighth floor. Manager W. S. Mack has taken special pains to make the new office as attractive as possible in its arrangements, and for displaying educational materials of the company. A special department has been provided for the large stock of school room pictures and for the still-life material, comprising inexpensive ceramics, for which the movement to bring art into the school room surroundings has created a growing demand.

J. H. Rowland is a graduate of both scientific and classical courses. His college work having been done in the National Normal university, holding the degree of A.M. He is also a member of the Delta Tau, Delta Fraternity, Chapter Mu, Ohio Wesleyan university. His school work covers a period of fifteen years as principal and superintendent, twelve years in Maysville, Ky. His last position was that of superintendent at Middletown, O., a city of 10,000 inhabitants, and a system of schools employing forty-two teachers. Rowland participated in the West Virginia state school book fight two years ago, winning complete victories in all the counties assigned to him. In 1897 he resigned his position as superintendent of schools at Middletown to accept a permanent position as general agent of the American Book Co., with headquarters at Delaware, O. Rowland will lecture in the Delaware County Teachers' Institute the coming season.



J. H. ROWLAND,
Agent American Book Co.,
Delaware, Ohio.

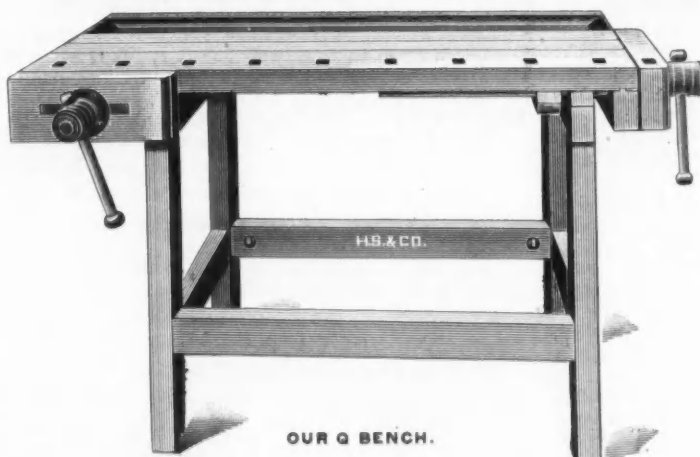
Mr. E. F. Southworth has been the representative of Ginn & Co. in central New York for the last year and a half. He is a graduate of the four years' course at the Bridgewater normal school in Massachusetts; was principal of the Oakdale school at Dedham, Mass., for one year, and from there went to Harvard. He completed the academic course there in three years, and after graduating in June, 1897, was made an agent for Ginn & Co. in central New York. During his summer vacations while in college, he traveled for the same house through the New England states, and there gained his first experience in the book business.



E. F. SOUTHWORTH,
Representing Ginn & Company,
Syracuse, N. Y.

During his summer vacations while in college, he traveled for the same house through the New England states, and there gained his first experience in the book business.

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NEW YORK.

St. Paul Makes a Move.

In view of agitation in all larger cities for the introduction of a business training in the public schools, Supt. A. J. Smith of St. Paul, Minn., has taken the initiative.

In order that a clear idea of the question may be had, and that all the facts bearing upon the same, whether local or general, may be fully considered, he recommends the appointment of a special committee of his school board to inquire into and report upon this entire subject not later than the June meeting of the present year. In doing so he argues as follows:

It seems proper that more careful attention should be given the subject of industrial education than has heretofore been accorded it. Many cities are seriously considering radical changes in their courses of study and a strong influence is working in favor of the introduction of business instruction. The time has come when a demand of this kind can be no longer ignored, and I desire to present the matter for your official consideration. An extreme position either in favor of this proposition or against it should be avoided. The whole education of the individual can be neither entirely practical, so-called, nor entirely academic. There is great value to be found in studies that afford mental discipline and power and which do not bear directly upon practical affairs, and this discipline and power cannot be secured in any other way. For the power of observation, the acquisition of skill, the cultivation of the reasoning faculty and in all those matters that fully equip the man for his life work, an extended course in academic branches of study is essential, but this is greatly aided and strengthened and rendered more available by technical knowledge. In carrying forward the latter, it is not necessary to abolish or abridge the former. Nor does the introduction of business instruction imply that specialization in studies is to begin early in life. When we consider that nine-tenths of the boys attending school must enter upon some kind of industrial or commercial undertaking, we may reasonably conclude that the recognition of this fact and a course of instruction in accordance with it are in no wise special, but on the contrary must be regarded as general.

Up to the present time all arrangements of courses of study, from the first primary to the last year in the high school are progressive, and provide that in each case promotion shall be

The Choice of Words.

The ability to speak good English is acquired largely through practice. In Buehler's "Practical Exercises in English," instead of correcting imperfect models, the pupil is obliged to choose between two or more forms of expression—the natural method. No child can use this text book without, at the same time, using his brains—a true pedagogical principle. 12mo, cloth, 50 cents; introduction price, 40 cents. HARPER & BROTHERS, Publishers, Franklin Square, New York City. General Agent for the introduction of Harper & Brothers' Educational Works: W. S. RUSSELL, 203-207 Michigan Ave., Chicago, Ill.

made in each case to something higher. Much importance is attached to the preparation of pupils for the high school and from the high school for the university, and there are no certain limits within the course which give something definite and finished to the great majority who do not enter the high school at all.

While every inducement and incentive to higher education should be held out to all classes and conditions, and while the value of the highest education to the laborer as well as to the professional man cannot be over-estimated, the truth still remains, and for a long time will remain, that the great majority do not enter the university and that definite provision should be made for the larger number.

The industrial needs, the commercial advantages, all those things that tend to the material welfare, are proper elements in the education of the youth of any community, for the community that supports a school system at the expense of its citizens, has a right to expect an adequate material return although the intellectual value of the work alone would amply justify the expenditure. The attention being given to manual training at present throughout the United States, is an indication of the feeling to which I have referred, and while I feel that this admirable feature of our work must be further encouraged and extended, however far it may go, it will not fully answer the present demand.

Marion, O. Twenty-four fire extinguishers purchased of the I. X. L. company of Columbus, O., by the board, were put in the various school buildings. After the extinguisher and its contents were described, Mr. Jacobs, the agent, gave an exhibition of how they were to be used. A fire was built on the street, and after it had got under good headway, the flames were extinguished by the chemicals. The workings of the extinguishers are very simple and if a fire should start in any of the buildings they would prove valuable in extinguishing the flames.

Trinidad, Colo. A Smith Premier typewriter has been purchased for use in the commercial department of the high school.

Hampton, Va. A Smith Premier typewriter has been added to the equipment of the Hampton normal and agricultural institute.

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1. A Four Years' Graded Collegiate Course; 2. Hospital and Dispensary Clinical Instruction by the College staff; 3. Fourteen General Clinics and Sixty Sub Clinics each and every week of the season; 4. During the year ending April 1, 1898, there were treated in the Hospital and Dispensary by our own staff, 29,973 cases; 5. Actual Laboratory Instruction in Thoroughly Equipped Laboratories.

For Announcements and Sample Copy of Clinique, address the registrar.

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RELIABLE TEXT-BOOKS.

The UNIVERSITY PUBLISHING COMPANY, of New York, New Orleans, and Boston, would be pleased to correspond with school officers who are contemplating changes in text-books.

OUR GEOGRAPHIES

Were written by Commodore Maury of the Hydrographic Office, and were written from personal investigation. They are kept fully revised to date, and the 1898 edition contains a new map of Canada, showing the new boundary line of the Province of Quebec, etc. It also contains a new map of Cuba, Philippine Islands, Porto Rico, etc.

THE STANDARD LITERATURE SERIES,

Of thirty-five volumes, for supplementary reading, is receiving universal praise from those who have used them.

HOLMES' & DAVIS' READERS.

The one containing scientific reading matter, the other on the Thought and Sentence Method (Chelsea system) are likewise very popular.

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"BUILT LIKE A WATCH"

Fulfill All Expectations
SEND FOR ART CATALOGUE

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Kenosha, Wis.

Summer Courses in New York City.

New York university has issued the announcement of its fifth summer session to be held at University Heights July 10 to August 18. The following groups of courses will be offered by professors of the university: Mathematics, Physics, Chemistry, Biology, Latin, Greek, Psychology, History and Germanic Languages. Over thirty courses will be given in all. Under certain conditions work completed in the summer session will be accepted as counting towards a degree in the University College or in the School of Pedagogy.

The university has placed the libraries, recitation halls, laboratories, dormitories and athletic grounds of the college at the service of students taking the summer courses. The extensive grounds of the university at University Heights are most beautifully situated in the northern part of New York city, twelve miles from the Battery, overlooking the Harlem and Hudson rivers and the Palisades of the Hudson. The location is certainly almost an ideal one for summer work.

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A Plea for State Normal Schools.

(Concluded from page 6.)

within the radius of forty miles. Two normal schools simultaneously built in or near these cities would seem to be a wise provision, and give assurance of increased facility for building a professional character upon the foundation of such general culture as may have been received at our best high schools. Much of the adverse criticism of normal schools had its origin in the low standard of scholarship required for admission, as well as to the caliber of the teaching force, which has sometimes been not above the average found in our grammar schools. Since the higher standard of admission has been required and enforced in New England institutions, these schools have risen in popularity, while their enrollment has been very considerably increased. William T. Harris says in the *Educational Review*: "The higher the standard of preparation in the pupil who enters the normal school, the more profitable is the work of reviewing the lower branches in the light of the higher, and studying them constructively."

By ascertaining what plans have succeeded, and what have failed, and the conditions under which success or failure have come, profiting by the experience and mistakes of other states, Ohio has the best possible opportunity for establishing such schools for professional training as shall place her in the foremost rank in the educational interests of the nation, and, as Frederick Burke says in a recent article in the *Atlantic*, "Lift the normal school into its logical position of leadership in pedagogical affairs."

THROUGH THE YEAR. Books I and II. By Anna M. Clyde and Lillian Wallace. Square 12mos, 107 pp. and 110 pp. respectively. Fully illustrated. Cloth. Introductory price 36 cents each. Silver, Burdett & Company, publishers, Boston, New York, Chicago.

These two volumes were handed to several bright children for review. The idea was not so much for the purpose of being guided by the verdict of little children as it was for the purpose of seeing to what extent they would become interested in them. The result was most favorable. The writer became satisfied aside from his own convictions formed by examining the books, that the children were a safe guide. The books possess merit. They were written, the author says, to meet a desire for one series of books, containing reading matter which will correlate with the lessons in science, nature work, history, and literature, taught in elementary schools under the general head of language lessons.

Thomas W. Musgrove, M. D., is a member of the board of education at Fairhaven, Wash. Dr. Musgrove is one of those professional gentlemen who lead an active and useful life thoroughly devoted to their calling, who yet find time to take an interest in other affairs. Although only located in Fairhaven since 1896, he has taken a lively interest in the educational welfare of his community, being progressive in spirit, precise in action, and a man who has proven a valuable member to his board.

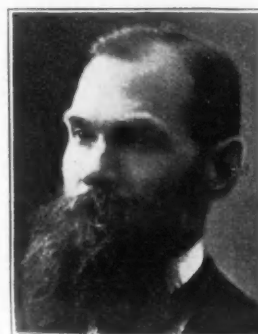


THOS. W. MUSGROVE,
Chairman,
Fairhaven, Wash.

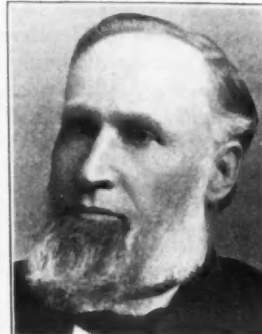
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Williamsport, Pa. The teaching of stenography and typewriting in the commercial department is being considered.

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers, that they offer One Hundred Dollars for any case that it fails to cure. Send for list of Testimonials. Address, F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 75c.

Philadelphia, Pa. The experiment of teaching the boys to sew is proving very successful.

Supt. Jones, of Cleveland, believes that Spanish should only be taught as a side issue, an elective study in the high school course.

Book Reviews.

BAILEY-WIEMER SERIES. First Book in Arithmetic, 96 pp.; Second Book in Arithmetic, 176 pp.; Third Book in Arithmetic, 320 pp. By F. M. Wiemer, Principal First District School, Milwaukee, Wis., assisted by M. A. Bailey, A. M., Kansas State Normal School. Published by American Book Co., New York, Cincinnati, Chicago.

The subject matter shows careful selection and is confined to that which is most useful, most helpful, and most stimulating. Complicated and artificial conditions in problems, involved sentences, and arithmetical conundrums have been avoided as obscuring the vision and deadening interest. The books recognize the principle that in order to appeal most strongly to the child's mind, the problems must be taken from the child's environments; that they should deal with things which he can handle, see, or readily imagine; and that only by gradual and easy steps the more remote and abstract forms should be approached. The thorough treatment of work in United States money, mensuration, common business transactions, and simple commercial arithmetic make the books especially practical.

The "First Book" is divided into three parts, dealing with numbers 1 to 10, 1 to 20, and 1 to 100 respectively. Of all arithmetical books in the market, this is the only one which emphasizes the great importance of thorough, systematic work in the beginning of arithmetic teaching, thus rendering the book eminently well adapted for use in the first and second grades of our schools. A number of helpful devices train the learner in the formation of correct habits of thought and self-reliance. With this book in the hands of the child, he knows what he is doing, why he is doing it, and learns to depend largely upon his own resources.

The "Second Book," which is intended for the intermediate grades, elaborates upon the principles laid down in the preceding book. Original solution of problems is here emphasized and encouraged. A most interesting and unique feature of this book is the treatment of factors and ratios not as ends in themselves, but as a most natural means toward a well conceived end, namely, the simplification of arithmetical processes. We have never seen the subject of ratio presented in so direct and natural a method. What were formerly considered the most difficult operations are now easily conquered by the author's method of comparison of numbers.

While the two lower books present facts and principles in a direct and largely objective way, the "Third Book," or "Comprehensive Arithmetic," systematizes and enlarges them. The elements of algebra are introduced to generalize and concentrate the knowledge already obtained and to aid in the solution of difficult problems. Here the student is led to see and interpret the known, to discover its relation to the unknown, and to find the means of expressing the unknown in terms of the known. The language throughout the series is simple and concise.

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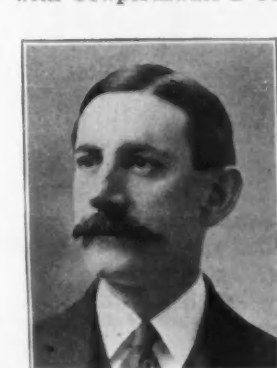
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New York, N. Y. The board of education has purchased a Smith-Premier typewriter for use for instruction purposes.

Killingly, Conn. The board of education has purchased a Smith-Premier typewriter to be used for instruction purposes.

Hackettstown, N. J. A Smith-Premier typewriter has been purchased for use in the Centenary Collegiate Institute.

J. J. Lyons entered the book business in 1878 with Cowperthwait & Co., remaining with them



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until the interests of this firm were purchased by E. H. Butler & Co., remaining with the latter and their successors until the present time. Consequently he is now with Butler, Sheldon & Co., being their New England agent. Mr. Lyons, while a veteran, is by no means an old man. In fact, he is scarcely in his prime.

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Teacher—What does this paper mean, Johnnie, by saying that Mr. Tomlinson bore the loss of his handsome property by fire very philosophically?

Johnny—Umph! It means that he was insured.

At The Brewing School.

Professor—The hops and the malt being properly mixed, what else is necessary in order to make the beer a success?

Pupil—A good thirst.

Teacher—What are articles of confederation?

Pupil—Clothing, principally, such as boots and shoes, besides the other clothing.

Angenehme Aussicht.

Lehrer: Kannst du mir sagen, welche Folgen der spanische-amerikanische Krieg für uns haben wird?

Schüler: Die Spanischen Kohle werden jetzt teurer werden.



May—There were lots of members absent today from the cooking school.

Maud—I suppose you toasted the absent ones?

May—No. Roasted them.

Höchste Zerstreuung.
Professor: „Hm, fatal, ich wollte doch irgendwo hingehen und habe nun ganz vergessen wohin?“

Frau: „Aber Männchen, was ist Dir, willst Du dann nicht zu Bette gehen?“

Professor: „Nichtig, dorthin wollte ich ja auch gehen.“

A young man in the eighth grade was asked by the teacher what the plural of forget-me-not was. He immediately replied “for-get-us-not.”

Baffled the Professor.

While Prof. E. T. Austin, superintendent of Owosso, Mich., schools, was making his daily rounds to the several ward schools, he passed through the Grand Trunk freight yards, where an east-bound train was being made up, and perched on the top of the stock yard fence was a young lad, perhaps 12 years of age, puffing vigorously at a cigarette. Always mindful of his duty, the professor approached the lad, believing he had discovered timber of which to make a lasting example to truants.

“Good afternoon, young man,” said the superintendent.

“How old are you?”

“Bout 13.”

“Do you ever go to school?”

“Yep.”

“Why are you not in school today?”

“Cause I’m here.”

“Did your teacher give you permission to go home?”

“Didn’t ask her. Guess I’m my own boss.”

The professor was somewhat nettled with the impudence of the lad, but contented himself with the thought that he would be made to see the error of his way in due season.

“What grade are you in?” the professor asked.

“Eighth,” responded the lad.

“Emerson or Washington street school?”

“Neider one. Guess again.”

“What school do you attend?” asked the professor, growing very red in the face.

“Buffalo, New York,” responded the lad, as he slid from the fence and made for a box car in the train which was pulling out for the east. The professor continued his journey in silence.

Bootless Travelers.

A good story is told on two Boston educators. During the journey from Boston to the Columbus meeting last February, Benj. H. Sanborn, the publisher, and Supervisor Conley of the Boston schools, were taking things easy in a sleeper. They laid off their heavy outer garments, donned their graceful bodies with jaunty pea jackets and light traveling caps. Sanborn even put on a pair of slippers.

When the train stopped during the morning hours at the various stations, both Sanborn and Conley strolled out on the platform for a little fresh air and physical exercise—more especially since it gave them some ideas on the great stretch of country they were traversing. Their enthusiasm increased until this “stepping off” propensity had grown into a fixed habit before they reached central New York. Conley usually admired the scenery, while Sanborn commented on the prospects of a snow storm. Conley is an enthusiast, Sanborn a philosopher.

When the train again stopped somewhere in central New York, Sanborn once more jumped off the car platform, and Conley followed. This

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time both wore slippers, and Sanborn was hatless. The unfriendly winter scenery, which Longfellow describes as being “of a dull gray,” together with the prospects of that “gray” soon being covered with snow, proved a subject for speculation. They dwelled on the subject. Conley became effusive, while Sanborn became argumentative—but they continued to dwell—and in fact dwelled about two minutes too long by train time.

When they recovered themselves they saw the tail end of the train fade away among the distant hills.

A charitable veil is drawn over the discomfiting details of the next chapter. Suffice it to say, that after the storm of indignation in two breasts had subsided and the railroad section hands had reassured two bootless travelers, one of them hatless, the next train came along. Conley's enthusiasm had gone below zero, while a philosophic calm rested on Sanborn's countenance, as both viewed the remainder of scenery which the journey offered.

When two men arrived on the following day at the Great Southern, Columbus, disguised as section hands, no one suspected that they were two gentlemen from Boston.



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A Model City School Board.

(Concluded from page 7.)

ected. The first duty of a school board is to educate itself. This it can largely do in the few minutes that even the busiest members can give. The cost of tuition of a high school pupil is about \$40 per year. The same amount a board can profitably spend upon the education of its own members. A board can educate its members through the best educational periodicals, which every board ought to furnish to all of its members. It can educate through carefully planned trips of its committees, interested in various subjects, to other cities. There is profit in wisely planned junketing trips, for people notice abroad what escapes their attention at home. It can educate itself through a closer contact with superintendent and teachers. Especially can a board be educated through a well organized teachers' association. The teachers' association should appoint carefully selected standing committees upon many subjects, corresponding to those of the board, which can act as advisory to those of the board. In this way the board could obtain from the teachers valuable expert knowledge. Such are a few ways in which any board can educate itself the better to meet the many perplexing problems of our expanding school curriculum. Given then a model form of a school board, with members who know what is best, and eager to do the best, and you approach unto a model school board.

The old nineteenth century boards, with all their failings, have done a great work. Their monument is our magnificent school system. I would place in every city, in the central school buildings, bronze tablets inscribed with the names of these unhonored, and almost forgotten local patriots, as a slight tribute to their great work.

But the twentieth century boards must do a much greater work. Their responsibilities and opportunities have multiplied many fold. There has been educational expansion in every direction. The old school curriculum was embraced in the three R's. The new one threatens to cover the entire alphabet several times over. The old school age was from six to twenty-one. The new school age is bounded only by the cradle and the grave. We extend helping hands

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SCALE: 10 20 30 40 Miles

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to the toddling infant and lead him into the kindergarten; and we assist the tottering grandfather and grandmother in, and out, of our university extension classes. Three generations will come under the supervision of the twentieth century board; to perform this work will require model school boards. Let us members be not appalled by the magnitude of the work, but rather, with the assistance of able and willing citizens, rise to the full measure of our opportunities.

Purpose precedes progress. If the members of the school boards of Ohio will determine to give our cities model school boards, we can soon accomplish our purpose. We can obtain from the legislature a change in the form of the board, we can bring about through education a change in the man element, and we can secure as our successors the most competent persons in our communities. Upon us, then, largely depend whether a model city school board shall remain an optimistic dream or become a beneficent reality.

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The latest addition to the Harvard Historical Studies, published under the auspices of Harvard University by Messrs. Longmans, Green & Co., is "The Provincial Governor in the English Colonies of North America," by Evarts Bontell Greene, Professor of History in the University of Illinois, sometime Harriess Fellow of Harvard. The book is an important addition to historical literature, and will be welcomed by historians and students.

Moline, Ill. Contract awarded to Sturtevant Co. of Boston. The other bidders were Buffalo Forge Co. and American Warming and Ventilating Co.

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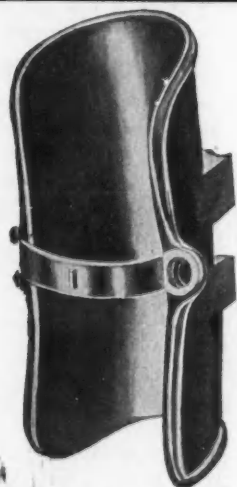
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(We recommend this Company as thoroughly reliable.)—EDITOR.

A book entitled, "Psychology in the School Room," intended to assist the teacher in applying to the daily work of the school the general principles of the science of psychology, has been published by Longmans, Green & Co., New York city. It takes account of the observed facts in the mind and body of the child, and shows their direct relation to the art of teaching. It does not take up the routine subjects and suggest methods of teaching, but tells the teacher how to know his pupils and how to develop them. "It is," says John J. McNulty, professor of moral philosophy in the college of the city of New York, and lecturer, "the most practical aid to a preparation for meeting the requirements for securing higher teaching licenses." The book contains chapters on Sensation, Perception, Observation, Development of the Senses, Memory, Imagination, Conception, Judgment, Reasoning, Social Feelings, Egoistic Feelings, Intellectual Sentiment, Aesthetic Sentiment, Moral Sentiment, Will Habit, Character, Discipline, etc., and treats, incidentally, of such subjects, interesting to every teacher, as Punishments, Sub-consciousness, Temperament, Prizes, Motives in School Life, etc. Each chapter is closed with a summary, giving, in classified form, the substance of the chapter, and with a comprehensive list of questions.

The Flexible Door and Shutter Co. has purchased the woodworking plant of Clemence and Searles, of Worcester, Mass., where their Flexifold specialties, together with interior finish, will be manufactured in the future. The New York Office will be maintained in the Townsend Building, and will be in charge of Mr. Chas. W. Hall, who was formerly with Norcross Bros.

Two excursions to Texas each month via the Missouri, Kansas & Texas Railway, at rate of one fare, plus two dollars for the round trip. Write H. A. Cherrier, No. 316 Marquette building, Chicago, Ill., for dates and further information concerning the same.

Hornellsville, N. Y. The board of education has purchased a Smith Premier typewriter.

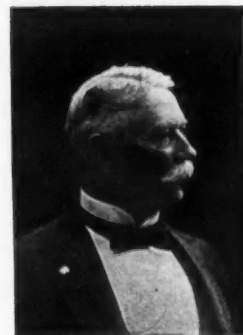
Bellefont, Pa. A new Smith Premier typewriter has been installed in the state college here.

Take advantage of the Tourist Sleeping Cars, via the Missouri, Kansas & Texas Railway, on their excursion dates. Write H. A. Cherrier, 316 Marquette building, Chicago, Ill.



THE IDEAL SIGHT RESTORER
THE INESTIMABLE BLESSING OF SIGHT.
AVOID SPECTACLES & EYEGLASSES, HEADACHE & SURGICAL OPERATION. ILLUSTRATED PAMPHLET ON THE EYE. MAILED FREE.
THE IDEAL COMPANY, 239 BROADWAY, NEW YORK.
New York, April 1, 1898.
To THE IDEAL COMPANY,
239 Broadway, New York City.
Gentlemen: I have used the Ideal Sight Restorer for the past four weeks, and can say, without hesitation, that it has greatly strengthened my eyes and benefited my sight.
I have used my glasses only four times since I began the use of the Restorer, whereas before I used them every day. I do not now feel the need of them at all.
I most earnestly recommend your invention as a boon to all who suffer any decline in vision.
Yours very truly,
FRANK D. MURPHY.
Western Union Telegraph Company,
195 Broadway, New York City.

Messrs. Longmans, Green & Co. have just published the first part of a series of "Selected Examples of Decorative Art, from South Kensington Museum." The object of this publication is to supply teachers and students in Art and Technical Schools, as well as practical designers, with copies of designs, of the best subjects in the different branches that the museum contains. For example, designs in Wood-carving, Leather, Glass, Bronze, Silver, Repousse Work, Lace, etc., etc., printed on separate sheets of highly glazed coated paper. A part will appear each month, and each number will contain twelve sheets.



J. H. BRALY,
Member School Board,
Los Angeles, Cal.

NEW YORK UNIVERSITY! SUMMER COURSES. FIFTH YEAR, JULY 10—AUGUST 18.

A delightful suburban locality in New York city. For announcement address
MARSHALL S. BROWN.
University Heights, New York City.



BRASS, IRON & WIRE WORK
FOR INTERIOR AND EXTERIOR FINISHES.
Bank and School Railings, Enclosures and School Window Guards.
FIRE ESCAPES
NATIONAL IRON CO., Reed City, Mich.
New York City: 1123 Broadway.

New School Buildings.

West Hammond, Ill. A new \$14,000 school.
 Mattoon, Ill. Architects Reeves and Baillie, Peoria, Ill., have prepared plans for a 12-room school to be erected here.
 Freeport, Ill. The Lincoln Avenue school is to be remodeled.
 Galesburg, Ill. A new \$15,000 school.
 Polo, Ill. A new \$40,000 high school. Plans prepared by Architect J. L. Silsbee of Chicago.
 East Chicago, Ill. Architect F. S. Allen, Joliet, Ill., has prepared plans for a school for East Chicago, to cost \$16,500.
 Ross, Ind. Contract for erecting new \$6,000 school awarded.
 Irvington, Ind. A new 2-story school, to cost \$12,000. Plans prepared by Architect Wm. A. Staples.
 Noblesville, Ind. A new \$35,000 school.
 Bedford, Ind. There has been appropriated \$10,000 for the erection of a new school.
 Kokomo, Ind. A new normal school is to be erected here this year.
 Monticello, Ind. A new school. Write C. S. Kingsbury.
 Converse, Ind. A new high school. Plans drawn by Architect B. L. French. To cost \$18,000.
 South Bend, Ind. The erection of a modern school is being considered.
 Marion, Ind. Architect Burt L. French has prepared plans for a rural school building. To cost \$2,500.
 Council Bluffs, Ia. A new \$65,000 high school. Plans drawn by Architects J. C. and W. Woodward.
 Kansas City, Kas. Write W. E. Barnhart, president board of education in regard to the new high school.
 Louisville, Ky. A new 16-room school is to be erected soon.
 Monroe, La. A new high school. To cost \$30,000.
 Laurel, Mich. A new school.
 St. Joseph, Mich. Architect John V. Starr's plans for a new school have been accepted.
 Delavan, Minn. A new 4-room school. Plans drawn by Architect H. C. Gerlach.
 St. Louis, Mo. Write Wm. B. Ittner, commissioner of school buildings, regarding the erection of new school houses.
 Tepehah, Neb. Bonds amounting to \$19,000 have been voted for the erection of a new school.
 Westfield, N. J. Two new school houses are to be erected.
 Jersey City, N. J. Architect C. Frederick Lang, 91 Montgomery street, has prepared plans for a new school to be erected by the city.
 New York, N. Y. A new school at 99th and 100th streets, between 2d and 3d avenues.
 Warrensburg, N. J. It has been proposed to issue \$20,000 of bonds for the erection of a new school.
 Iola, N. D. A new school.
 Dakota, N. D. A new 7-room school is to be erected in the Kane school district.
 Wakefield, Neb. A new \$12,000 school house.
 New York, N. Y. A new school building at 108th and 109th streets, between 1st and 2d avenues.
 Brooklyn, N. Y. A new school. Bids for erecting same have been asked.
 St. Paul, Minn. Plans for a new school at Williston, Minn., are being drawn by Architect W. T. Towner of this city.
 Cleveland, O. A new 8-room addition to the Union school is soon to be made.
 Jefferson, O. A new \$4,500 school. Plans drawn by Architect Chas. H. Burggraf.
 Homestead, Pa. A new 12-room school, to cost \$2,800. Plans drawn by F. J. Osterling, 700 Times building, Pittsburg.
 Racine, Wis. A new school at the northeast corner of West Sixth street and Cliff avenue.
 West Superior, Wis. Additions to the schools amounting to \$35,000 are to be made during this year.
 Baraboo, Wis. A special election is to be held to vote on the question of erecting a new high school.
 Philadelphia, Pa. Architect Jos. D. Anschutz, 713 Filbert street, prepared the plans for the addition being made to the Alcorn school.
 Philadelphia, Pa. Contracts for building the new \$64,900 school at Oxford street and Glenwood avenue awarded.
 Carlisle, Pa. A new 10-room school. Plans drawn by Architects D. R. Miller & Co., 219 Market street, Harrisburg, Pa.
 Norristown, Pa. A new high school. Architect Seymour Davis of Philadelphia drew the plans.
 Cambridge Spring, Pa. A new 12-room school, to cost \$20,000.
 Torontum, Pa. A new high school. Plans drawn by Architect F. C. Sauer of Pittsburg.
 Dubois, Pa. Architect Chas. M. Robinson of Altoona, Pa., has been selected to draw plans for a new school. To cost \$35,000.
 North Washington, Pa. A new 10-room school.
 Glascon, N. D. A new 4-room school.

School House Heating.

We are Content with Michigan as our field of operation. . .

WE want the address of every School Board that contemplates building; also of boards that contemplate betterments or changes in the heating and ventilation arrangements. The address will bring information of value. We have an established record in this line.

WEATHERLY & PULTE,
 Grand Rapids, Mich.

American Darning & Ventilating Co.

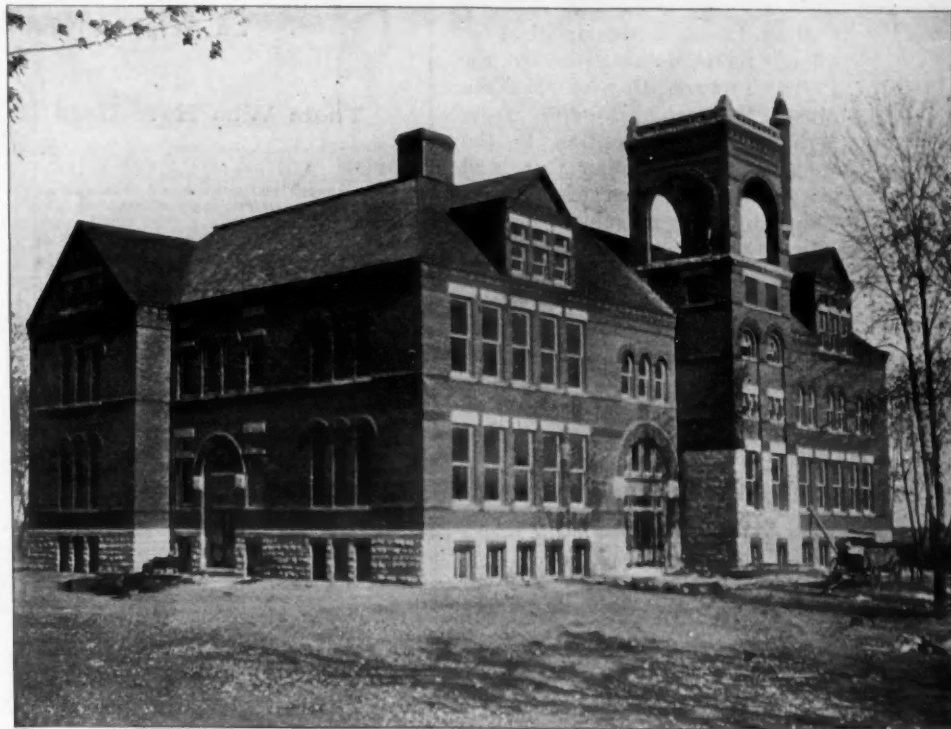
435 Wabash Ave., CHICAGO.

Heating and Ventilating Engineers, Modern Heating Apparatus. Dry and Flushing Closets.

Schools and other Public Buildings a Specialty.

When we are furnished with sketches of buildings, we will prepare and submit plans, showing our system, with estimates, without charge.

Send for catalogues or for circulars, or write for information.



W. R. Parson & Son Co., Architects, Des Moines, Iowa.

HIGH SCHOOL, MOULTON, IOWA.

LEWIS & KITCHEN,

Cor. 9th and Broadway,
 KANSAS CITY, MO.

EDWARD C. LEWIS,
 ISAAC R. MCCREERY,
 JOHN H. KITCHEN,

...Proprietors.

We are equipping this building with our heating and ventilating system.

The National Iron Co. recently increased its capital stock to \$100,000 and has incorporated under the laws of Michigan. The company has purchased the City Iron Works, the Symons Iron and Wire Works of Detroit and the National Fire Escape Co. of New York, and consolidated these with their own plant at Reed City, Mich. The Benjamin Iron Works of Reed City has also been purchased. This is practically a new plant, having been used but two years.



ALFRED OWEN DUNK,
 Treasurer.

The National Iron Co. has installed all modern equipments in its establishment and is now the largest concern of its kind in the country. Its machine shop is 160x105 feet; store room, 60x80 feet; wire working shop, 50x105 feet; foundry, 80x100 feet; blacksmith shop, 60x80 feet; boiler room, 50x105 feet; office, 60x80 feet. There are two railroad side-tracks running to the location of the plant. The firm carries on a very extensive business with boards of education, it having equipped many school houses in all sections of the country with fire escapes.

The company has headquarters in various cities. In New York, at 1123 Broadway, where its general Eastern agent, A. H. Holly, has his headquarters. Mr. Holly is a pleasant and congenial fellow, who is always glad to have visitors to the metropolis make their headquarters with him, and he furnishes them with a convenient place for letter-writing. He is, furthermore,

always ready to give information concerning New York city, or the company's business. The Chicago office is located at 112 Dearborn street. The Saginaw, Mich., office in the Dunk block; the Lincoln, Neb., office is in charge of O. E. Goodell, who was formerly a member of the board of education of that city, and is one of the foremost men in that state. Mr. Goodell is ever soliciting correspondence with all who are interested in fire escapes and structural iron work. The general Western office is in charge of John Lindsay, ex-chief of the St. Louis fire department. B. J. Watson is the far Western agent, and is established at Sacramento, Cal. He is well known to educators, having been but lately the assistant superintendent of public instruction of California, but resigned his position to look after the interests of the National Iron Co.

Prices on all classes of iron work, including the national fire escapes, school window guards, and all classes of art metal work, can be obtained by addressing any of these offices.



JOSEPH S. SCHWAB,
 Member Bd. of Education,
 Chicago, Ill.

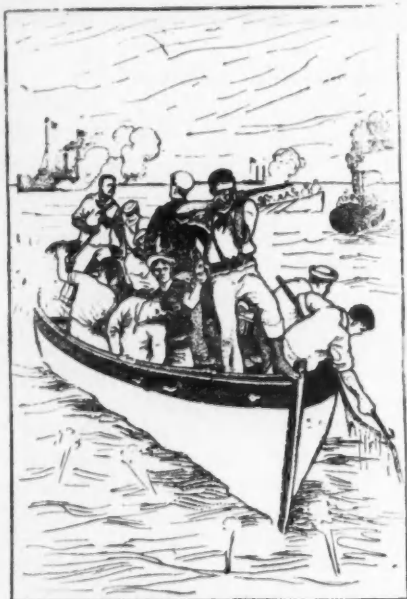


HARRY A. LUCK,
 Member Board of Education,
 Nashville, Tenn.

New York university has issued the announcement of its fifth summer session for teachers and college graduates. Thirty courses are offered in nine different departments. The session will be held at University Heights, New York city, from July 10 to Aug. 18.

Much has been accomplished for school room decorations by the Perry Picture Co. of Malden, Mass. This company has given, perhaps, closer attention to the subject than any other firm, and has issued a series of pictures which, in point of subject matter, delicate execution and typographical form, can scarcely be surpassed. We have recently examined a collection of these pictures and find them worthy of the attention of school authorities everywhere. Every teacher and school official should be familiar with this collection and the firm's efforts in the direction of school room decoration.

When Lieut. Hobson and his men sank the Merrimac in the channel of Santiago harbor, the deed was almost everywhere hailed as the bravest of the war. This was as it should have been, but to



Cutting the cables under fire at Cienfuegos. After a drawing in Harper's Magazine. Copyright, 1899, by Harper & Brothers.

our mind a deed equally brave was that represented in our illustration taken from the current issue of Harper's Magazine, "Cutting the Cables at Cienfuegos." The illustration was drawn by R. F. Zogbaum for the third part of the "History of the Spanish-American War," by the Hon. Henry Cabot Lodge, senator from Massachusetts, who in this instalment of a most notable history discusses "The Blockade of Cuba and the Pursuit of Cervera," and gives an admirable description, from an historical point of view, of the operations around San Juan, of Guantanamo Bay, of the bottling up of Cervera's fleet, and of Hobson and the Merrimac.

ANSWER TO CORRESPONDENTS.

Question—What camera is the most serviceable during a trip to the southwest next summer?—O. F. M., Grand Rapids, Mich.

Answer—We would advise you to get the

EMPLOYMENT at good income is offered by writing A. H. CRAIG, Mukwonago, Wis.

A GODSEND TO ALL HUMANITY.

Invention of An Ohioan That Guarantees Health, Strength and Beauty by Nature's Method and Cures Without Drugs All Nervous Diseases, Rheumatism, La Grippe, Neuralgia, Kidney Troubles, Piles, Weakness, and the Most Obstinate Diseases.

Those Who Have Used It Declare It To Be the Most Remarkable Invigorant Ever Produced for Man, Woman or Child.

An inventive genius of Cincinnati, Ohio, has patented and placed on the market a Bath Cabinet that is of great interest to the public, not only the sick and debilitated, but also those enjoying health.

It is a sealed compartment, in which one comfortably rests on a chair and with only the head outside, may have all the invigorating, cleansing and purifying effects of the most luxurious



CABINET OPEN—Step In or Out



FOLDED

Turkish bath, hot vapor or medicated vapor baths at home for 3 cents each, with no possibility of taking cold, or in any way weakening the system.

A well-known physician of Topeka, Kansas, E. L. Eaton, M. D., gave up his practice to sell these bath Cabinets, feeling that they were all his patients needed to get well and keep well, as they cured the most obstinate diseases often when his medicine failed, and we understand he has already sold over 600. Another physician of Chicago, Dr. John C. Wright, followed Dr. Eaton's example, moved West and devotes his entire time to selling these Cabinets. Many others are doing likewise.

Hundreds of remarkable letters have been written the inventors from those who have used the Cabinet, two of which referring to

Rheumatism and La Grippe,

Will be interesting to those who suffer from these dread maladies. G. M. Laferty, Covington, Ky., writes: "Was compelled to quit business a year ago, being prostrated by rheumatism when your Cabinet came. Two weeks' use of it entirely cured me, and have never had a twinge since. My doctor was much astonished and will recommend them." Mrs. S. S. Noteman, Hood River, Ore., writes that her neighbor used the Bath Cabinet for a severe case of la grippe and cured herself entirely in two days. Another neighbor cured eczema of many years' standing and her little girl of measles. A. B. Strickland, Bloomington, Idaho, writes that the Bath Cabinet did him more good in one week than two years' doctoring, and entirely cured him of catarrh, gravel, kidney trouble and dropsy, with which he had been long afflicted. Hundreds of others write praising this Cabinet, and there seems to be no doubt but that the long-sought-for means of curing rheu-

matism, la grippe, Bright's disease and all kidney and urinary affections has been found. The

Well-Known Christian Minister

Of Una, S. C., Rev. R. E. Peale, highly recommends this Cabinet, as also does Mrs. Kendrick, Princ. of Vassar College; Congressman John J. Lantz, John T. Brown, editor of the Christian Guide, many lawyers, physicians, ministers and hundreds of other influential people.

Reduces Obesity.

It is important to know that the inventor guarantees that obesity will be reduced 5 lbs. per week if these hot vapor baths are taken regularly. Scientific reasons are brought out in a very instructive little book issued by the makers. To

Cure Blood and Skin Diseases

The Cabinet is unquestionably the best thing in the world. If people, instead of filling their systems with more poisons, by taking drugs and nostrums, would get into a Vapor Bath Cabinet and sweat out these poisons and assist Nature to act, they would have a skin as clear and smooth as the most fastidious could desire.

The Great Feature

Of this Bath Cabinet is that it gives a Hot Vapor Bath that opens the millions of pores all over the body, stimulating the sweat glands and forcing out by nature's method all the impure salts, acids and effete matter, which, if retained, overwork the heart, kidneys and lungs and cause disease, debility and sluggishness. A Hot Vapor Bath instills new life from the very beginning, and makes you feel 10 years younger. With the bath, if desired, is a

Head and Complexion Steamer,

In which the face and head are given the same vapor treatment as the body. This produces the most wonderful results, removes pimples, blackheads, skin eruptions and

Cures Catarrh and Asthma.

L. B. Westbrook, Newton, Ia., writes: "For 45 years I have had catarrh and asthma to such an extent that it had eaten out the partition between my nostrils. Drugs and doctors did me no good. The first vapor bath I took helped me and two weeks' use cured me entirely, and I have never had a twinge since." Whatever

Will Hasten Perspiration,

Every one knows, is beneficial. Turkish baths, massage, hot drinks, stimulants, hot foot baths, are all known to be beneficial, but the best of these methods become crude and insignificant when compared to the convenient and marvelous curative power of the Cabinet Bath referred to above. The Cabinet is known as the

Quaker Folding Thermal.

Vapor Bath Cabinet was patented May 18, 1897, and is made only in Cincinnati, O. This Cabinet, we find, is durably made of best materials. It is entered and vacated by a door at the side. The Cabinet is air-tight, made of the best hygienic water-proof cloth, rubber-lined, and a folding steel plated frame supports it from top to bottom. The makers furnish a good alcohol stove with each Cabinet; also, valuable receipts and formulas for medicated baths and ailments, as well as plain directions.

Another excellent feature is that it folds into so small a space that it may

be carried when traveling—weighs but five pounds.

People don't need bathrooms, as this Cabinet may be used in any room. Thus bath tubs have been discarded since the invention of this Cabinet, as it gives a far better bath for all cleansing purposes than soap and water. For the sickroom its advantages are at once apparent. The Cabinet is amply large enough for any person. There have been

So-Called Cabinets

On the market, but they were unsatisfactory, for they had no door, no supporting frame, but were simply a cheap affair to pull on or off over the head like a skirt or barrel, subjecting the body to sudden and dangerous changes of temperature, or made with a bulky wooden frame, which the heat and steam within the cabinet warped, cracked and caused to fall apart and soon become worthless.

The Quaker Cabinet made by the Cincinnati firm is the only practical article of its kind, and will last for years. It seems to satisfy and delight every user, and the

Makers Guarantee Results.

They assert positively, and their statements are backed by a vast amount of testimony from persons of influence, that their Cabinet will cure nervous troubles and debility, clear the skin, purify the blood, cure rheumatism. (They offer \$50 reward for a case that can not be relieved.) Cures women's troubles, la grippe, sleeplessness, obesity, neuralgia, headaches, gout, sciatica, piles, dropsy, blood and skin disease, liver and kidney troubles. It will

Cure a Hard Cold

With one bath, and break up all symptoms of la grippe, fevers, pneumonia, bronchitis, asthma, and is really a household necessity. It is the most

Cleansing and Invigorating Bath

known, and all those enjoying health should use it at least once or twice a week, but its great value lies in its marvelous power to draw out of the system the impurities that cause disease, and for this reason is really a godsend to all humanity.

How to Get One.

All our readers who want to enjoy perfect health, prevent disease or are afflicted should have one of these remarkable Cabinets. The price is wonderfully low, space prevents a detailed description, but it will bear out the most exacting demand for durability and curative properties. Write to the World Manufacturing Co., 231 World Bldg., Cincinnati, O., and ask them to send you their pamphlets and circulars describing this invention. The regular price of this Cabinet is \$5. Head Steaming Attachment, if desired, \$1 extra, and it is indeed difficult to imagine where one could invest that amount of money in anything else that guarantees so much real genuine health, vigor and strength.

Write today for full information, or, better still, order a Cabinet. You won't be deceived or disappointed, as the makers guarantee every Cabinet, and will refund your money if not just as represented. Capital, \$100,000.00, and fill all orders as soon as received.

Don't fail to send for booklet, as it will prove very interesting reading.

This Cabinet is a wonderful seller for agents, and the firm offers special inducements to good agents, both men and women—upon request.

"El-Vista," manufactured by the Multiscope & Film Co., Burlington, Wis. It is an actual panoramic camera. Takes a picture 4x12 inches readily. Any 4-inch daylight loading film may be used.—Editor.

A first and second book in arithmetic, by Prof. F. M. Wiemer and Prof. M. A. Bailey, has just come off the press of the American Book Co. We have not yet examined the two books, but feel assured, from the names of the authors, that the work will be acceptable.

Prof. Wiemer is principal in one of the Mil-

waukee schools, while Prof. Bailey fills the chair of mathematics in the Kansas state normal school. A review of the books will appear in our next number.

TEACHERS GOING TO EUROPE.

The question of expense and experienced chaperoning for a trip to Europe has received attention at the hands of Prof. Pratt. He is now arranging another trip to Europe, to be taken during the coming summer. Write W. A. Pratt, box 137, Jamestown, N. Y.

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Sales Agents Wanted!

Men and Women make \$50 to \$200 every month selling our Gents' and Ladies' Waterproof Mackintoshes or Rain Coats. WE SELL MEN'S MACKINTOSHES in all styles at \$1.80 to \$4.75. LADIES' MACKINTOSHES AND WATERPROOF DRESS SKIRTS and CAPES at \$2.00 to \$6.00.

YOU (man or woman) can make \$5.00 every day taking orders for these garments. At your low prices, everyone will order from you, for no one can meet your prices.

WE WANT ONE AGENT (man or woman) in every city and county in the United States. No experience necessary, no capital required. We furnish a BIG BOOK of Mackintosh Cloth Samples, fashion figures, your name on rubber stamp, tape measure, business cards, all necessary stationery. Everything complete for doing business.

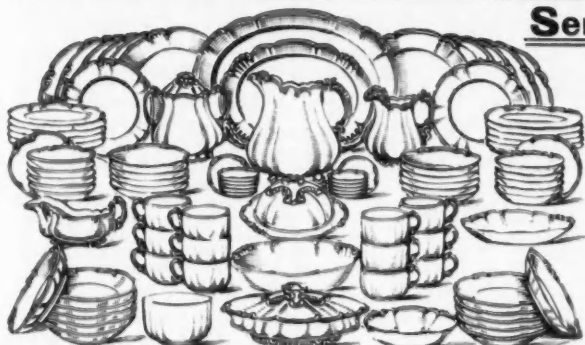
We are the **LARGEST DEALERS** in America in Men's and Women's Waterproof Mackintoshes and we sell them at the lowest prices ever known, and exclusively through regularly

OUR LIBERAL OFFER.

appointed men and women agents, who make \$50.00 to \$200.00 every month at the work. Cut this notice out and send to us. State the territory you wish to work in. Say in your letter you will give this work an immediate trial of at least 10 DAYS, and we will immediately send you FREE OUR SALESMAN'S COMPLETE OUTFIT on the following easy conditions. Each outfit costs us nearly \$25.00, for it is made very complete to insure immediate success for the agent. The outfit consists of one handsome heavy cloth bound book, 10x12 inches, containing a complete assortment of large samples of our entire line of men's and women's mackintoshes, also handsome large fashion figures, etc., one confidential price and instruction book, one tape measure, one rubber stamp with your name and pad, business cards, order blanks, stationery, etc. **WE MAKE NO CHARGE FOR THIS OUTFIT**, but as a guarantee of good faith on your part and to protect us against those who would order outfits (which cost us nearly \$25.00) out of curiosity or just to get the cloth samples, we require everyone, after receiving the outfit at the express office, to pay as a temporary deposit 50 cents and express charges, and we will return the 50 cents with your first order. Understand we will send you the complete outfit by express C. O. D., subject to examination, you to examine the outfit at your express office and if found perfectly satisfactory and you are convinced you can make money taking orders, pay the express agent 50c and express charges, we to return your 50c with your first order.

START TO WORK AT ONCE. You need no money; show the samples, take the orders at your own price, adding a good profit for yourself; we will fill your orders daily, send the mackintoshes to your customers C. O. D., subject to examination, collect your full selling price and weekly send you in cash your full profit. No other work is so simple. Money can't be made easier. Any man or woman anywhere can make \$5.00 every day. Our book of instructions makes everything so plain that anyone can do the work at once and be sure of big wages from the start. Cut this notice out and send to us today saying you will give it 10 days' trial. **YOU WILL NEVER REGRET IT.** Nearly everyone sends the 50 cents with their application. We refer to Metropolitan National Bank or any Express Co. in Chicago.

Address, **DUNDEE RUBBER CORPORATION, 184 Fulton St., Chicago.**



Send One Dollar

CUT THIS AD. OUT and send to us, and we will send you this **NEW STYLE 100-PIECE VITREOUS WHITE CHINA DINNER SET** by freight, C. O. D., subject to examination. You can examine it at your freight depot and if found perfectly satisfactory, exactly as represented and the **GREATEST VALUE YOU EVER HEARD OF**, pay the freight agent **OUR SPECIAL OFFER PRICE, \$5.95**, less the \$1.00, or \$4.95, and freight charges. Freight will average about 50c. for each 500 miles.

This Set consists of 100 Pieces of the HIGHEST GRADE GENUINE VITREOUS WHITE CHINA of the very latest and most stylish shape, is as hard as flint, practically indestructible, pure white in color.

THE FOLLOWING 100 FULL-SIZE

PIECES COMPLETE THE SET: 12 soup plates, 12 5-inch plates, 12 7-inch plates, 12 coffee cups, 12 saucers, 12 individual butter dishes, 12 4-inch fruit plates, 1 8-inch platter, 1 12-inch platter, 1 7-inch baker, 1 8-inch baker, 1 8-inch covered dish, 1 pickle dish, 1 sugar bowl, 1 extra bowl, 1 large pitcher, 1 medium pitcher.

YOU WILL SAVE ONE-HALF IN PRICE. ORDER NOW; DON'T DELAY. Write for free catalogue of everything in Crockery. Address, **SEARS, ROEBUCK & CO. (Inc.), CHICAGO, ILLINOIS.**

SEND ONE DOLLAR

CUT THIS AD. OUT and send to us, and we will send you this **TOP BUGGY** by freight, C. O. D., subject to examination. You can examine it at your freight depot, and if found perfectly satisfactory, exactly as represented, equal to buggies that retail at \$60.00 to \$75.00 and the **GREATEST BARGAIN YOU EVER SAW**, pay the freight agent **OUR SPECIAL PRICE, \$38.90**, and freight charges, less the \$1.00 sent with order.

WE MAKE THIS TOP BUGGY in our own factory in Chicago, from better material than most makers put in \$75.00 buggies. Latest style for 1899. Body, 24x54 from the Best Seasoned Wood. Gear, Best That Money Can Build. End Springs, as illustrated, or Brewster Side Bar. Wheels, High Grade Screwed Rim Sarven's Patent. Top, 24 ounce, Daily Rubber Heavily lined, full side and back curtains. Folding, guaranteed equal to any \$150.00 buggy work. Body black; Gear, dark green or Red. Upholstering, heavy green French body cloth or Kian's Leather.

\$38.90 IS OUR SPECIAL PRICE for top buggy complete, wide or narrow track, full length side and back curtains, storm apron, carpet, wrench, anti-rattlers and shafts. **GUARANTEED TWO YEARS** will last a lifetime. For Buggies at \$15.95 and up, **WRITE FOR FREE BUGGY CATALOGUE. YOU CAN MAKE \$500.00 This Year Selling OUR \$38.90 BUGGIES. ORDER ONE TO DAY, YOU CAN SELL IT FOR \$60.00. DON'T DELAY.**

Address, **SEARS, ROEBUCK & CO. (Inc.), CHICAGO, ILL.**

SEND US ONE DOLLAR

Cut this ad. out and send to us with \$1.00, and we will send you this **NEW IMPROVED ACME QUEEN PARLOR ORGAN**, by freight, C. O. D., subject to examination. You can examine it at your nearest freight depot, and if you find it exactly as represented, equal to organs that retail at \$75.00 to \$100.00, the greatest value you ever saw and far better than organs advertised by others at more money, pay the freight agent our special 90 days' offer price, \$31.75, less the \$1.00, or \$30.75, and freight charges.

\$31.75 IS OUR SPECIAL 90 DAYS' PRICE. Less than one-half the price charged by others. Such an offer was never made before.

THE ACME QUEEN is one of the most DURABLE AND SWEETEST TONED instruments ever made. From the illustration shown, which is engraved direct from a photograph, you can form some idea of its beautiful appearance. Made from solid quarter sawed oak, antique finish, handsomely decorated and ornamented, latest 1899 style. **THE ACME QUEEN** is 6 feet 5 inches high, 42 inches long, 23 inches wide and weighs 350 pounds. Contains 5 octaves, 11 stops, as follows: Diapason, Principal, Dulciana, Melodia, Celeste, Crescenda, Bass Coupler, Treble Coupler, Diapason Forte and Vox Humana; 2 Octave Couplers, 1 Tone Swell, 1 Grand Organ Swell, 4 Sets Orchestral Toned Resonatory Pipe Quality Reeds, 1 Set of 31 Pure Sweet Melodia Reeds, 1 Set of 37 Charming Brilliant Celeste Reeds, 1 Set of 24 Rich Mellow Smooth Diapason Reeds, 1 Set of 24 Pleasing Soft Melodious Principal Reeds. **THE ACME QUEEN** action consist of the celebrated Newell Reeds, which are only used in the highest grade instruments; fitted with Hammond Coupler and Vox Humana, also best Dolge felts, leathers, etc., bellows of the best rubber cloth, 3-ply bellows stock and finest leather in valves. **THE ACME QUEEN** is furnished with a 10x14 beveled plate French mirror, nickel plated pedal frames, and every modern improvement. We furnish free a handsome organ stool and the best organ instruction book published.

GUARANTEED 25 YEARS. With every ACME QUEEN ORGAN we issue a written binding 25-year guarantee, by the terms and conditions of which if any part gives out we repair it free of charge. Try it one month and we will refund your money if you are not perfectly satisfied. 500 of these organs will be sold at \$31.75. **ORDER AT ONCE. DON'T DELAY.**

OUR RELIABILITY IS ESTABLISHED if you have not dealt with us ask your neighbor about us, write the publisher of this paper or Metropolitan National Bank, or Corn Exchange Nat. Bank, Chicago; or German Exchange Bank, New York; or any railroad or express company in Chicago. We have a capital of over \$700,000.00, occupy entire one of the largest business blocks in Chicago, and employ nearly 2,000 people in our own building. **WE SELL ORGANS AT \$22.00 and up; PIANOS, \$112.00 and up; also everything in musical instruments at lowest wholesale prices.** Write for free special organ, piano and musical instrument catalogue. Address, (Sears, Roebuck & Co. are thoroughly reliable.—Editor.) **SEARS, ROEBUCK & CO. (Inc.), Fulton, Desplaines and Wayman Sts., CHICAGO, ILL.**

MORGAN & WRIGHT TIRE.



Send One Dollar

Cut this Ad. out and send to us, state whether Gents' or Ladies' bicycle is wanted, gear and color wanted, and we will send you this

Our HIGHEST Grade '99 Model ACME KING Bicycle by express, C. O. D., subject to examination. You can examine it at your express office and if found perfectly satisfactory, exactly as represented, **EQUAL TO ANY BICYCLE MADE. THE GREATEST BARGAIN YOU EVER SAW** and you are sure we are saving you \$25.00, pay the express agent **Our Special Offer Price,**

\$23.75, and express charges, less the \$1.00 sent with order. The express charges will average \$1.00 for each 500 miles.

OUR \$23.75 ACME KING could not be made better, made from best material money can buy. **MORGAN & WRIGHT'S** highest grade one-year guaranteed pneumatic tire. Flush joint throughout. FRAME—22 or 24 in. with 1 1/4 in. finest flush tubing, strongest, handiomest and best arch crown and frame made. **HANDLE BARS**—Drop or upturned, and best made expander on seat post. **38 in. Mason Wheels**, highest grade made, 2 piece flat cranks, best made. **BEARINGS**—CONES, NUTS and SPROCKETS highest possible grade, from tool steel. **FULL BALL BEARINGS** throughout with ball retainers; any gear wanted. Best known equipment, **ACME PADDED SADDLE**, finest ball bearing pedals, finest chain, heavy leather tool-bag, best wrench, oiler, pump and repair kit. **HIGHEST POSSIBLE FINISH**; enameled tires, Black or Maroon; bright parts heavily nickel plated. (Sears, Roebuck & Co. are thoroughly reliable.—Editor.)

A BINDING ONE-YEAR GUARANTEE goes with every wheel; if it isn't equal to any wheel made, if you don't save \$25.00, don't take it.

\$8.25, \$11.75, \$16.95 and \$18.75 is our price for lower grades, all new 1899 Models. No old models, no second-hand wheels. For full particulars write for **FREE BICYCLE CATALOGUE.**

Address, **SEARS, ROEBUCK & CO. (Inc.) CHICAGO, ILL., U.S.A.**

..SEND ONE DOLLAR..

Cut this ad. out and send to us and we will send you this **NEW BIG RANGE** by freight, C. O. D., subject to examination. You can examine it at your freight depot, and if found perfectly satisfactory, exactly as represented, the greatest value you ever saw or heard of and equal to ranges others sell as high as \$30.00 and \$40.00, pay the freight agent **OUR SPECIAL OFFER PRICE, \$18.95** and freight charges. **THIS STOVE WEIGHS 440 POUNDS** and the freight will average: 100 miles, 65 to 80c; 200 miles, 90c to \$1.30; 300 miles, \$1.10 to \$1.60; 400 miles, \$1.50 to \$1.75; greater distances in proportion.

THIS STOVE IS MADE FOR US UNDER CONTRACT by 25 practical stove makers who recently joined together and opened a foundry, we taking every stove they make. Every man working on these stoves is a high-class mechanic, interested in the foundry and the work, and, as a result, turns out the best made, handiomest finished and most durable range on the market.

FOR SPOT CASH we take every stove these 25 men make, we get them at the lowest price ever known for such a stove, and **\$18.95 PRICE** is actual cost to us, with but our one small profit added.

THE BIG RANGE is very latest 1899 style, made from Cast iron stove pig iron, is No. 1 size, 6-hole; has square oven, 19x19 inches. **BURNS ANYTHING** hard coal, soft coal or wood. **WE FURNISH FREE** an extra wood grate. One of the handiomest ranges made, has extra high ornamented shelf, has extra large, deep enameled reservoir large flues, cut top, extra heavy lids and centers, sectional fire back, cemented top oven plate, beautiful nickel finish, large nickel plated panel ornamentations on oven door, reservoir extension and stove door and back shelf, nickel oven shelf, nickel tea shelves, nickel towel rod, hand burnished edges. Range stands on handsomely ornamented base and is in every way as complete and perfect a range as it is possible to build.

WE ISSUE A BINDING GUARANTEE with every range. We guarantee it to reach you in perfect order and we can furnish any repairs wanted in the years to come.

300 WILL BE SOLD AT \$18.95. You will save \$15.00. **ORDER AT ONCE; DON'T DELAY.** Write for **FREE Stove Catalogue.**

Address, **SEARS, ROEBUCK & CO. (Inc.), Chicago, Ill.**



\$18.95

SEND NO MONEY

WITH YOUR ORDER, cut this ad. out and send to us, and we will send you our **HIGH GRADE DROP CABINET BURDICK SEWING MACHINE** by freight, C. O. D., subject to examination. You can examine it at your nearest freight depot and if found perfectly satisfactory, exactly as represented, equal to machines others sell as high as \$60.00, and the **GREATEST BARGAIN YOU EVER HEARD OF**, pay your freight agent **Our Special Offer Price \$15.50** and freight charges. The machine weighs 120 pounds and the freight will average 75 cents for each 500 miles.

GIVE IT THREE MONTHS' TRIAL in your own home, and we will return your \$15.50 any day you are not satisfied. We sell different makes and grades of Sewing Machines at \$8.50, \$10.00, \$11.00, \$12.00 and up, all fully described in our Free Sewing Machine Catalogue, but **15.50** for the **DROP DESK CABINET BURDICK** is the greatest value ever offered by any house.

BEWARE OF IMITATIONS by unknown concerns who copy our advertisements, offering unknown machines under various names, with various inducements. Write some friend in Chicago and learn who are **RELIABLE AND WHO ARE NOT.**

THE BURDICK has every MODERN IMPROVEMENT. EVERY GOOD POINT OF EVERY HIGH GRADE MACHINE MADE, WITH THE DEFECTS OF NONE. MADE BY THE BEST MAKER IN AMERICA. FROM THE BEST MATERIAL.

MONEY SOLID QUARTER SAWED OAK DROP DESK CABINET. CAN BUY. **PIANO POLISHED**, one illustration shows machine closed, head dropping from right to be used as a center table, stand or desk, the other open with full length table and head in place for sewing, 4 fancy drawers, latest 1899 skeleton frame, carved, paneled, embossed and decorated cabinet finish, finest nickel drawer pulls, rests on 4 casters, ball bearing adjustable treadle, genuine Smyth iron stand.

Finest large High Arm head, positive 24 motion feed, self threading vibrating shuttle, automatic bobbin winder, adjustable bearings, patent tension lever, improved loose wheel, adjustable presser foot, improved shuttle carrier, patent needle bar, patent dress guard, head is handsomely decorated and ornamented and beautifully **NICKEL TRIMMED.**

GUARANTEED the lightest running, most durable and nearest noiseless machine made. Every known attachment furnished and our Free Instruction Book tells just how anyone can run it and do either plain or any kind of fancy work. **A 30-YEAR BINDING GUARANTEE** is sent with every machine. **IT COSTS YOU NOTHING** to see and examine this machine, compare it with those your storekeeper sells at \$40.00 to \$60.00, and then if convinced you are saving \$25.00 to \$40.00, pay your freight agent the \$15.50. **WE TO RETURN YOUR \$15.50** if at any time within three months you say you are not satisfied. **ORDER TO DAY. DON'T DELAY.** (Sears, Roebuck & Co. are thoroughly reliable.—Editor.)

Address, **SEARS, ROEBUCK & CO. (Inc.) Chicago, Ill.**

SEND ONE DOLLAR Cut this ad. out and send to us and we will send you this **TOP BUGGY** by freight, C. O. D., subject to examination. You can examine it at your freight depot and if found perfectly satisfactory, exactly as represented and the greatest bargain you ever saw or heard of pay the freight agent **OUR SPECIAL OFFER PRICE, \$19.95**, and freight charges, less the \$1.00 you send with order. We will ship the buggy from Chicago, Keokuk, Ky., or Indianapolis, the point nearest you, and the freight will average about \$2.50



for 500 miles from either point. **THIS OPEN BUGGY** is latest 1899 style, end spring, as illustrated, or side bar spring. Narrow or wide track. Body is Cornish style, 23 inches wide, 50 inches long, made from selected seasoned stock; corners rounded and mitered; sills mortised, screwed, glued and plugged. Springs, highest grade stock, double refined oil tempered. Gear, made from second growth hickory. Coleman 6th wheel is 16 inch double collar. Swaged benton crystal steel axle; double reach ironed full length, bolted and braced throughout. Wheels, No. 1 grade Sarven's patent, made from selected second growth hickory. Painting, body highly finished and painted black with neat striping; gear, dark brewster green or carmine. Trimming, upholstered in Ulman leather, patent leather dash; toe carpet, whip socket, anti-rattlers and shafts. Extra for pole in place of shafts, \$1.60. **\$200** will be sold at \$19.95. Order at once. Don't delay. We will save you \$10.00 to \$20.00. For Buggies at \$16.50 and up, and Top Buggies of our own make, finest work from our own factory at \$25.00, sent anywhere to examine, write for Free Buggy Catalogue.

SEARS, ROEBUCK & CO. (Inc.) Chicago, Ills.

SEND ONE DOLLAR

and send to us and we will send you this **TOP BUGGY** by freight, C. O. D., subject to examination. You can examine it at your freight depot and if found perfectly satisfactory, exactly as represented and the greatest bargain you ever saw or heard of pay the freight agent **OUR SPECIAL OFFER PRICE, \$19.95**, and freight charges, less the \$1.00 you send with order. We will ship the buggy from Chicago, Keokuk, Ky., or Indianapolis, the point nearest you, and the freight will average about \$2.50

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SEARS, ROEBUCK & CO. (Inc.) Chicago, Ills.

DIRECTORY OF POPULAR SCHOOL AND COLLEGE TEXT BOOKS.

For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive School and College text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities.

- Agriculture.**
Voorhees' First Prim. SB&Co
- Algebra.**
Milne's Elements of... ABCo
White's School... ABCo
Brooks'... ABCo
Wentworth's... G&Co
Freeland's... LG&Co
Hall & Knight's... MacCo
Smith-Stringham's... MacCo
Thompson's New... MM&Co
Durrell & Robbins... M&Co
Collins'... SF&Co
Boydier's First Book... SB&Co
Cliley's Elements of... SB&Co
- Arithmetic.**
Beginners'... TB&Co
Atwood's Standard... TMC
Bradbury's Ele... TB&Co
Bradbury's & Emery's... UPCo
Sanford's Ele... UPCo
Nicholson's Ele... UPCo
Venable's Easy... UPCo
Venable High School... UPCo
Giffin's Gram. Sch. WSB&Co
- Composition and Rhetoric.**
Bohn's English... ABCo
Boyd's Elements... ABCo
Harper's Practical... ABCo
Swinson's School Eng. ABCo
Butler's School Eng. ABCo
Quackenbos' Pract... ABCo
Waddy's... CSS
Hill's Foundations... H&Bros
Buehler's Pract. Ex... HM&Co
Riverside Primer... HM&Co
Longman's... LG&Co
Collard's Beginners' MM&Co
Le Row's Practical... MM&Co
Kellogg's Book on... MM&Co
Fairy Tale & Fable... MM&Co
Kellogg's Book on... MM&Co
Fairy Tale & Fable... MM&Co
Carpenter's H. Sch. MacCo
Lewis' Writing Eng... SB&Co
English Comp... SB&Co
Complete Rhetoric... SB&Co
New Franklin Series... SB&Co
Hill's Elements... SB&Co
Stepping Stones... SB&Co
English Composition... SB&Co
Complete Rhetoric... SB&Co
Sheldon's Series... SB&Co
New Franklin Series... SB&Co
Hill's Elements... SB&Co
New Normal... WSB&Co
Columbian... WSB&Co
- Art.**
Brown's... CSS
D'Anvers' History of... CSS
Van Dyke's Painting... LG&Co
Hamilton's Architecture... LG&Co
Marquand & Frothingham's Sculpture... SB&Co
Abbott's... SB&Co
- Astronomy.**
Todd's New... ABCo
Bowen's... ABCo
Gillett and Rolfe's... ABCo
Kidd's New Ele... ABCo
Ball's Atlas of... DA&Co
Young's... G&Co
Ball's Elements... LG&Co
Howe's Ele of... SB&Co
Peck's... SB&Co
Howe's... SB&Co
- Biology.**
Boyer's Tablets... CSSH
Stevenson's... DA&Co
Bldgood's... LG&Co
Parker's... MacCo
Pillsbury's Ele... SB&Co
- Bookkeeping.**
Bryant & Stratton's (2)... ABCo
Lyte's Book... CS&Co
Montgomery's Mod. MM&Co
Progressive... PTB&Co
Hall's Art. of Accts. SB&Co
Mayhew's Standard... SB&Co
Meserve's... TB&Co
American Accountant... UPCo
Werner... WSB&Co
New Complete... W&R
Bookkeeping Blanks... H&N
- Botany.**
Apgar's Analysis... ABCo
Bentley's... ABCo
Coulter's... ABCo
Gray's... ABCo
Clark's... ABCo
Boyer's Tablets... CSSH
Bergens'... G&Co
Curtis'... LG&Co
Bailey's Les... MacCo
Setchell's Lab... MacCo
Nature Calendar... MCo
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Eaton's... ABCo
Krone-Paragarr... KBros
Merrill's... MM&Co
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Cooler's Text Book... ABCo
Steele's Popular... ABCo
Storer & Lindsay's... ABCo
Kaiser's Lab... CSSH
Boyer's Tablets... CSSH
Cooke's New... DA&Co
Roscoe's Series... DA&Co
- Color Suggestions.**
White's Art Inst. (1-9) ... ABCo
Bartholomew's Free... ABCo
Shaylor's Nor. Course SB&Co
Hand... UPCo
Eclectic Industrial... UPCo
- English Literature.**
Alden's Studies... ABCo
Brook's English... ABCo
Gillman's First Steps... ABCo
Early Lit... ABCo
Schoolmaster in Lit... ABCo
Westlake's... CS&Co
Baas' Shakespeare... CS&Co
Chaucer... CS&Co
Labban's Essays... CS&Co
A Study of Eng. Prose... CS&Co
Gosse's... DA&Co
The Orthoepist... DA&Co
The Verbalist... DA&Co
Bain's Teach. Eng... ABCo
Bryant's Leaflets... ABCo
Irish's Am. & Brit. Auth. FVI
Lit. Gem-Book... ABCo
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Roife's Shakespeare... H&Bros
the Boy... H&Bros
Swinson's Studies... H&Bros
Johnson's Lit. Crit. H&Bros
Robertson's Hist. of... H&Bros
Phillips' Manual... H&Bros
Richardson's Amer. H&Bros
Masterpieces Brit. Lit... H&Bros
Riverside Series... H&Bros
Masterpieces Am. Lit... H&Co
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American Poems... H&Co
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Higginson's Am. Auth... LG&Co
Longman's Eng. Lit... MM&Co
Maynard's Series... MM&Co
Kellogg's on... MacCo
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Bates' Am. Lit... MacCo
Carpenter's Am. Prose... MacCo
George's Chancer to... MacCo
Arnold... MacCo
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Pattee's His. Am. Lit... SB&Co
Tappan's Topical Notes... SB&Co
on Am. Authors... SB&Co
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Sprague's Studies in... SB&Co
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Shaw's Series... SB&Co
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The Great Writers... SB&Co
Tyler's Manual of... SB&Co
Longman's Eng. Class... SB&Co
Chittenden's Ele... SF&Co
Lloyd's Little Folks... SF&Co
Mooney's Poun. Stud. SB&Co
Lake's Eng. Classics... SF&Co
Choice Readings... SF&Co
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Golden Rod Books... UPCo
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Johnston & Brown's... UPCo
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Gilman's His. Readers... LPCo
Tales of the Pathfinders... LPCo
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Muzzarelli's... ABCo
De Fivas' Elementary... ABCo
Dreyfuss' Method... ABCo
Duffet's Method... ABCo
Magill's Readers... CS&Co
Longman's Gram... LG&Co
Composition... LG&Co
Episodes from Mod. ern Authors... MacCo
Magnenat's Course... MacCo
Kroch's... MacCo
LeRow's Prac. Read. MM&Co
Keeteles' Gram & Read... MM&Co
Maynard's Texts... MM&Co
Elementary French... MM&Co
La France... MM&Co
Anecdotes Nouvelles... MM&Co
Colloquial Convers. IP&Sons
Les Prosateurs Fran... MM&Co
Le Francals Pratique... MM&Co
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Natural Elementary... ABCo
Harper's (2)... G&Co
Barnes' (2)... G&Co
Swinson's (2)... G&Co
Eclectic (2)... G&Co
Frye's... G&Co
Longman's... LG&Co
Chisholm's... LG&Co
Tarr's Phy... MacCo
Modern Series... MacCo
Maury's... UPCo
Werner... WSB&Co
- Geometry and Trig.**
White's Series... ABCo
Eclectic School... ABCo
Phillips' Fisher Ser. H&Bros
- German.**
Keller's Series... ABCo
Adler's Pro. Ger. Read... ABCo
Dreyfuss' Series... ABCo
David's Easy Stories... LG&Co
Longman's Grammar... LG&Co
Composition... LG&Co
Gems of Literature... MCo
Macmillan's Series... MacCo
Maynard's Texts... MM&Co
Neue Anekdoten... MM&Co
Deutschland und die Deutschen... MM&Co
Beginner's... MM&Co
Colloquial Convers. IP&Sons
Pitman's Practical... IP&Sons
Sawyer's Grammar... SB&Co
Manual... SB&Co
Knofoch's Ger. Simp. UPCo
Martin's Series... WSB&Co
Drillmaster in... WRJ
- Geology.**
Le Contes... ABCo
Andrews' Element... ABCo
Nicholson's... ABCo
Steele's... ABCo
Geographical Portfolio... CS&Co
Hand Book—Prac... CS&Co
Gove's... CS&Co
Le Conte's Ele... DA&Co
Lyell's Princ... DA&Co
Tarr's Elements... MacCo
Scott's Introduction... MacCo
Helliop's... SB&Co
- Grammar.**
(See Language & Grammar.)
- Greek.**
Jebb's Literature... ABCo
Gladstone's Homer... ABCo
Coy's First Reader... ABCo
For Beginners... ABCo
Crosby's Lessons... ABCo
Hadley & Allen's... ABCo
Harkness' First... ABCo
Harper & Water's In... ABCo
Greek Testament... DM&Co
Hahn's Novum Test. DA&Co
Goodwin's Gram... G&Co
White's First Les... G&Co
Ferguson's Aid... H&Bros
Anthony's Series... H&Bros
Ritchie's... LG&Co
Arnold's Prose Comp... LG&Co
Three Thous. Words... SB&Co
Boise-Pattengill's First Les. in Greek... SF&Co
Jones' Prose Comp... H&N
Liddell's Dict... H&N
- Histories.**
McGleeson's Am... ABCo
McMaster's U. S... ABCo
Barnes (8)... ABCo
McGleeson's (2)... ABCo
Eclectic (2)... ABCo
Guerber's English... ABCo
Swinson's... ABCo
Ridpath... ABCo
Andrews' U. S... CSS
Adams... CSS
Burgess'... CSS
Gordy's U. S... CSS
Johnston's U. S... CSS
Oxford Man. of Eng... CSS
Guizot's Civil... DA&Co
Sewell's Rome... DA&Co
Kroeker's Germany... DA&Co
Cooke's England... DA&Co
Sewell's Greece... DA&Co
Sewell's Greece... DA&Co
Montgomery's... DA&Co
Myers'... DA&Co
Green's Eng. People... H&Bros
Smith's Greece... H&Bros
Cox's Greece... H&Bros
Liddell's Rome... H&Bros
Fisk's U. S... H&Bros
Hill's U. S... H&Bros
How & Leigh's Rome... H&Bros
Oman's Greece... LG&Co
How & Leigh's Rome... LG&Co
Higginson's U. S... LG&Co
Gardiner's Stud. Eng... LG&Co
Ransome's England... LG&Co
Alma Holman Burton's... MCo
Outlines of General... W&Co
- Italian.**
Without a Master... DM&Co
Hugo's Method... IP&S
- Language and Grammar.**
Patterson's Word B... ABCo
Metcalfe's Ele. Eng... ABCo
Eng. Grammar... ABCo
Maxwell Series... CS&Co
Welsh's... CS&Co
Corbett's Eng... DA&Co
Irish's Orth. & Orthoepy... FVI
Pitman's French... IP&S
Longman's... LG&Co
Reed & Kellogg's... MM&Co
Reed's Introductory... MM&Co
Kellogg & Reed's Word Building... MM&Co
Carpenter's Gram... MacCo
Davenport & Emerson's Gram... MacCo
Normal Course in English (3)... SB&Co
Welsh's Series... SB&Co
Essentials of Eng... SB&Co
Mead's The Eng. Lang. and Its Gram... SB&Co
Sheldon's Prim. Language Lessons... S&Co
Patterson's Elem. of Gram. & Comp... S&Co
Eno's Compendium of... S&Co
DeGarmo Lang. Ser. WSB&Co
- Law—Commercial.**
Clark's... MM&Co
New Commercial... W&R
- Latin.**
Harkness' Series... ABCo
Bennett's Cicero... BH&Co
Clark's Eutropius... BH&Co
Cowles' Terence... BH&Co
Daniell's New L. Com... BH&Co
Dodge's The Private Life of the Rom... BH&Co
Elmer's Terence Phor... BH&Co
Flagg's Lives of Nepos... BH&Co
Fowler's First Book in... BH&Co
Fowler's Plautus, Men... BH&Co
Harrington & Tolman's Gr. & Rom. Mythology... BH&Co
Herbermann's Sallust... BH&Co
Catline... BH&Co
Hopkins' Tacitus... BH&Co
Kiepert's Class. Atlas... BH&Co
Kirkland's Horace, Satires and Epis... BH&Co
Lindsay's Sight Slips in Latin... BH&Co
Lord's Livy Series... BH&Co
Miller's Latin Comp... BH&Co
Owen's Cicero... BH&Co
Platner's Pliny... BH&Co
Allen & Greenough's... G&Co
Lane's Gram... H&Bros
Anthony's Series... H&Bros
Latin Literature of the Empire... H&Bros
Ritchie's First Steps... LG&Co
"Latin Prose Com... LG&Co
"Easy Continuous Latin Prose... LG&Co
Morris' Ele. Latina... LG&Co
Shortest Road to Caesar... MCo
Creighton's... MCo
Burgess' Drill... SB&Co
Intercollegiate Ser... SF&Co
Jones' Lessons... SF&Co
Riggs' Prose... SF&Co
Riggs' in Latinum... SF&Co
Gildersleeve's Series... UPCo
White's Dict... H&N
Classic Texts... H&N
- Letter Writing.**
A Manual... H&N
- Literature.**
(See English Literature.)
- Manual Training.**
McArthur's Man. Ind. DA&Co
Banner's Sewing... LG&Co
Hewitt's 2 Vols... LG&Co
Unwin's Clay Modell'g... LG&Co
Salomon's Teachers' Handbook... SB&Co
Educat'l Theory... SB&Co
- Mental Science.**
Orton's... H&Bros
Brown's Ethics... H&Bros
Thelam... H&Bros
Th. and Know... H&Bros
Metaphysics... H&Bros
Dexter's & Garlick's Psychology... LG&Co
Fitcher's Psych... MacCo
Davis' Psychology... SB&Co
Mahan's... SB&Co
Bain's Mental... ABCo
Hewitt's Psychology... ABCo
Schuyler's Psychology... ABCo
Robertson's Ele. of... CSS
Minto's Logic... CSS
Muirhead Eth., Ele. of... CSS
Hyslop's Ele. of Eth... CSS
Brown's Series... H&Bros
Dewey's Psychology... H&Bros
Baker's Ele. Psych. MM&Co
Davis' Elements of Psychology... SB&Co
Gordy's New Psych... H&N
- Moral Science.**
Gow Good Morals... ABCo
Hume's Essays, 2 Vol. LG&Co
Human Nature, 2 Vols... LG&Co
Kant's Ethics... LG&Co
Meta. of Ethics... LG&Co
Robinson's Principles... SB&Co
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52 Cuban
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R L Meyers & Co.....M&Co
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Sower Co., Christopher.CSCo
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University Pub. Co.....UPCo
Western Pub. House.....WPH
Williams & Rogers.....W&R
Werner School Book
Co.....WSBCo
Lothrop Publishing Co.LPCo

School Board Organization.

(Continued from page 5.)

committee for a special purpose, such special committees are appointed, but the board regards itself as a committee of the whole.

Practically no regulations for its own government have been adopted. Very rarely have any questions of parliamentary procedure arisen, and there has been no necessity for establishing rules of procedure.

The business manager always has his schedule of bills and matters coming up for consideration, and each one coming up by itself is discussed so far as discussion is necessary, passed upon and decided. After that matters coming from the superintendent of instruction are in like manner disposed of. The superintendent and business manager are expected to be, and always have been, present at the meeting of the board.

Politics has never been known to enter into the deliberations, or to have any effect upon the members in making their decisions. No member was elected on any party ticket, but each one regards himself as representing the entire body of voters, and in whatever is done each member feels himself entirely free from any special obligation to any ward, special division or district of the city.

It will be observed that the executive department of the school board by this system is placed in the superintendent of instruction in matters educational, and in the business manager in questions involving business details. The board are relieved of many of the responsibilities and annoyances, which, under the old law, were the accompaniments of the position. The superintendent of instruction should be held responsible for results, and unless he has the authority to choose and, if necessary, remove subordinate instructors, he cannot fairly be held responsible for results. Where a school

board has obtained a superintendent of large experience in school work, of good judgment, with capacity and willingness for work, and a genuine love of his calling, aided by a corps of teachers of like quality, they are fortunate indeed. Such a gentleman we have in Toledo, and we have also been fortunate in securing as business manager an old merchant who was on the school board many years, and is in every respect a business man, capable of the management of large affairs. With these two right arms to carry forward the work, we feel that school affairs in Toledo are in a prosperous condition and have faith that before long our school system in results will compare favorably with any city in the country.

I am assigned the topic of "School Legislation," but to discuss the whole question of school laws would take too much time. One or two suggestions in that line I may be permitted to make.

1st. A word or two about school buildings. New buildings must frequently be built to meet the requirements of increasing population in the rapidly growing cities. I am not a believer in expensive or showy buildings. Money should be spent on plain structures, built with reference to convenience for pupils and teachers in egress and ingress, light, ventilation, heat, strength and safety in construction, rather than with a view to ornamentation or beauty of architecture. I believe more money has been expended than has been necessary in many school buildings, and where the number has frequently to be added to, boards of education should look to economy in this branch of expenditure.

The law should also provide for speedy condemnation proceedings by which the title can be obtained for lots whereon to build, in case they cannot be obtained by purchase, at reason-

able price from the owner. Some clear provision should be made for normal schools in cities, and for the concurrent action of examining boards and principals of normal schools in granting certificates to teachers. In this connection, it would seem proper in some way to have good health a prerequisite to giving employment to teachers and continuing them in employment. I believe the boards of education of the state should meet in convention once a year and discuss many questions which are of interest in the proper discharge of the duties devolved in us by our fellow citizens. By the exchange of ideas, it seems very certain that administration of school matters throughout the state may be improved. Through the agency of school boards a very large proportion of public revenues are expended. By the exhibit of taxes corrected on the December duplicate of Lucas county, I see that over 24 6-10 per cent. is to be expended for public schools. Is the proportion as large throughout the state? If so, it devolves upon school boards to exercise great prudence and business judgment in administration of matters under their jurisdiction.

I need not say that to the home, to society, to the city, to the state, the cause of education is of great, of immeasurable importance. The highest interests of all are wrapped up in the education of the children. The present and the future welfare of America is committed to those who sit at the very springs of life and mould the minds and characters of the youth, and so shape their destinies and thereby the destinies of the people.

Great is the privilege to be associated in a public duty which has so much to do with the future welfare of humanity. Let it be an earnest endeavor, with a solemn appreciation of our responsibilities, to perform these high and grave duties, so that we may receive, at least, the approval of our own consciences.



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L. A. Murray.....Kilbourn, Wis.

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Smead Heating, Lighting and Construction Co.....Toledo, O.

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Youngstown, O.
Central Sch'l Supply House, Chicago.
Educational Ass'n.....
E. G. Dann & Co.....
The Caxton Co.....
Standard School Furnishing Co.....Chicago.
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School and Office Supply Co.....
L. A. Murray.....Grand Rapids, Mich.
L. A. Murray.....Kilbourn, Wis.

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Milton Bradley & Co.....Springfield, Mass.
Rhode Kindergarten Supply Co.....
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Joseph Dixon.....Jersey City, N. Y.

Magic Lanterns.

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Central School S. House.....Chicago.

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E. G. Dann & Co.....
Century School Supply Co.....
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Thomas Kane & Co.....Racine, Wis.
Educational Ass'n.....Chicago.
Moore Mfg. Co.....Springfield, Mo.
Standard School Fur. Co.....Chicago.
E. W. A. Rowles.....
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Standard School Fur. Co.....
E. G. Dann & Co.....
Oliver Adams Pub. Co.....
J. M. Olcott & Co.....New York-Chicago
School and Office Supply Co.....
L. A. Murray.....Grand Rapids, Mich.
Peckham, Little & Co.....New York

School Records.

Peckham, Little & Co.....New York
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Standard S. F. Co.....
E. G. Dann & Co.....
Oliver Adams Pub. Co.....
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Thomas Kane & Co.....Racine, Wis.
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School Blanks.

Central Sch'l Supply House, Chicago.
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Franklin Educational Co.....Boston
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Thomas Kane & Co.....Racine, Wis.
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Slate.

J. M. Olcott & Co.....New York-Chicago
Jas. L. Foote.....Slatington, Pa.
Standard Sch. Furn. Co.....Chicago.
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Thomas Kane & Co.....Racine, Wis.
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School and Office Supply Co.....
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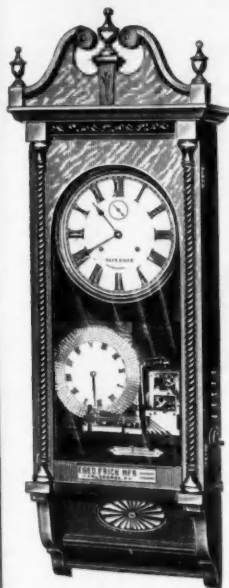
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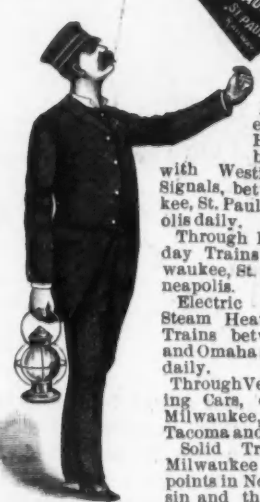


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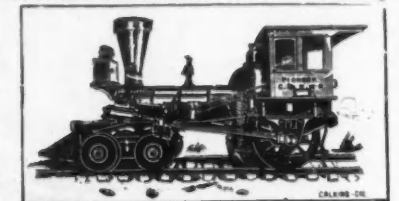
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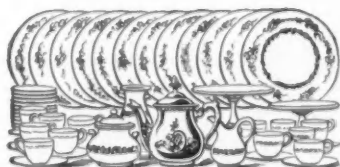
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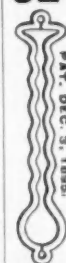


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